

GFS ORGANIC CHEMICALS®

GFS Organics Modern Acetylene Chemistry
for Research and Applied Technology



ORDERING INFORMATION

Customer Service Representatives and Technical Support are available Monday through Friday from 8:00 a.m. to 5:30 p.m. Eastern Time. Orders may be placed by mail, phone, fax, e-mail or on our web site. Every order receives an order confirmation sent via fax or e-mail that includes items ordered, pricing, shipping method, and estimated shipping date.

By Mail: GFS CHEMICALS, INC.
 800 Kaderly Drive
 Columbus, OH 43228

By Phone: 800-858-9682 (U.S.
 and Canada)
 (740) 881-5501 (International)

By Fax: (740) 881-5989

By E-mail: service@gfschemicals.com
For Applied Technologies, R&D, or Pilot Scale email:
 development@gfschemicals.com

On the Web: www.gfschemicals.com
 www.gfsinternational.com

Opening an account

GFS Customer Service Representatives will be glad to help you open an account.

For details call: 1-800-858-9682.
 (740) 881-5501 (International)

For full terms and conditions visit <http://www.gfschemicals.com/statics/documents/aboutus/termsandconditions.html>

Notice: GFS products are not certified or intended for direct use in food, drug, or cosmetic applications; they are warranted to meet our specifications as given in GFS Lot Analysis or other Company literature. Determination of material suitability and/or merchantability for purposes beyond these specifications is the responsibility of the end user.

We Honor



WHY SOURCE FROM GFS?

GFS is recognized as a world leader in the production of alkynes and downstream derivative technology. Using our core synthetic chemistries, we build upon our alkyne base to make thousands of specialty alkynes, olefins, silanes, halogenated organics, Grignards and heteroaromatics. We can supply bulk quantities of organic products from multi-kilo to metric tons. Contact us anytime with questions or requests via Development@gfschemicals.com.

Customers benefit from our knowledge and expertise in the formulation of specialties derived from liquid ammonia chemistries. These include acetylide couplings, alkali metal/amide reactions, isomerizations, Birch reductions, Grignard reactions, and organolithium chemistries and more.



A Sampling of Our Core Organic Chemistries

- Acetylene Chemistry
- Halogenation
- Dehydrohalogenation
- Alkylation(NH₃)
- Sonogashira Reactions
- Kumada Couplings
- Cadiot-Chodkiewicz
- Suzuki Coupling
- Trans Reductions(NH₃)
- Diels-Alder Synthesis
- Ethynylation
- Barbier Reaction
- Skraup Synthesis
- Birch Reduction
- Heck Reaction
- Grignard/Alkyl Lithium Synthesis
- Finkelstein Reaction
- Phase Transfer

By working with the manufacturer you can take advantage of our network for:
sourcing, pricing & applied technologies

ACETYLENE CHEMISTRY

GFS Chemicals manufactures the widest range of specialty acetylenic compounds in the U.S.

Many aspects of “molecular construction” are being dramatically enhanced through the use of both simple and multifunctional acetylenic building blocks.

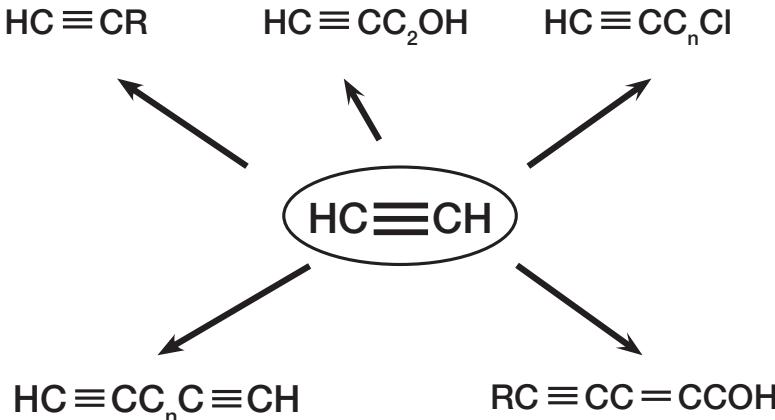
The GFS handbook, “GFS Organics Modern Acetylene Chemistry for Research and Applied Technology”, is a valuable resource which puts information on properties and availability of several hundred specialty and exotic acetylenic and olefinic compounds at every researcher’s fingertips.

ACETYLENE REACTIONS

Our 80 years of history and strategic acquisitions have expanded this product group through the addition of some unique chemical synthesis and our buying power tied to the support of our manufacturing operations.

Many of the products we offer are, in turn, used to support additional downstream chemistry – aldehydes to make secondary alcohols, alcohols to make halogenated compounds, ketones to make tertiary alcohols and amines to support a host of chemistries as an acid scavenger, buffer media or in the production of more functional amines. GFS not only offers these for sale but as you focus on our other core product offerings we’re confident you’ll see how we integrate our product listings and chemistry capabilities to focus on the vertical integration of our business.

Acetylene Reactions



ALKYNE REACTIONS

Acetylene derivatives (alkynes) are the back bone to the GFS organic product line. The acquisition of Farchan Laboratories (Gainesville, FL) in the mid-1990's added over 400 core alkynes to our product list.

With this came the addition of liquid ammonia chemistry as a reaction media as well as helped further expand our work in the area of Sonogashira chemistry among other palladium (Pd) catalyzed coupling reactions. The use of trimethylsilylacetylene (TMSA, TMS Acetylene)

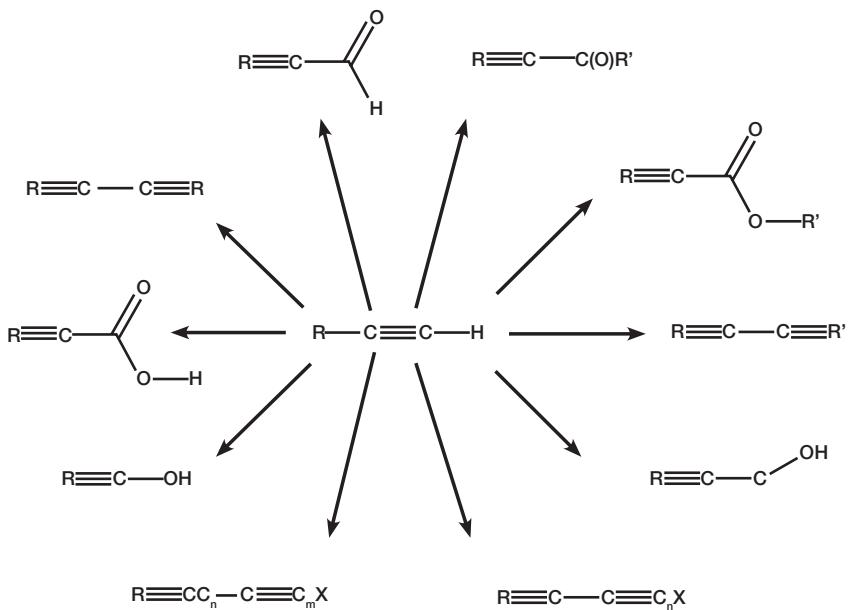


and phenylacetylene has become a base chemistry platform for several on-going projects as well as new development projects and alternative chemistry routes for existing products.

Alkynes have become core building blocks for several other functionalized products such as our specialty olefins, diacylenic intermediates and specialty heterocycles, to name a few. We estimate that alkyne chemistry is responsible for approximately 15% of all R&D work today. The growing number of literature references that use acetylenic intermediates in organic synthesis demonstrates the impact this chemical family continues to have on the research community from “Click Chemistry”® used to assemble complex heteroaromatics and other heterocycles to the construction of chromophores.

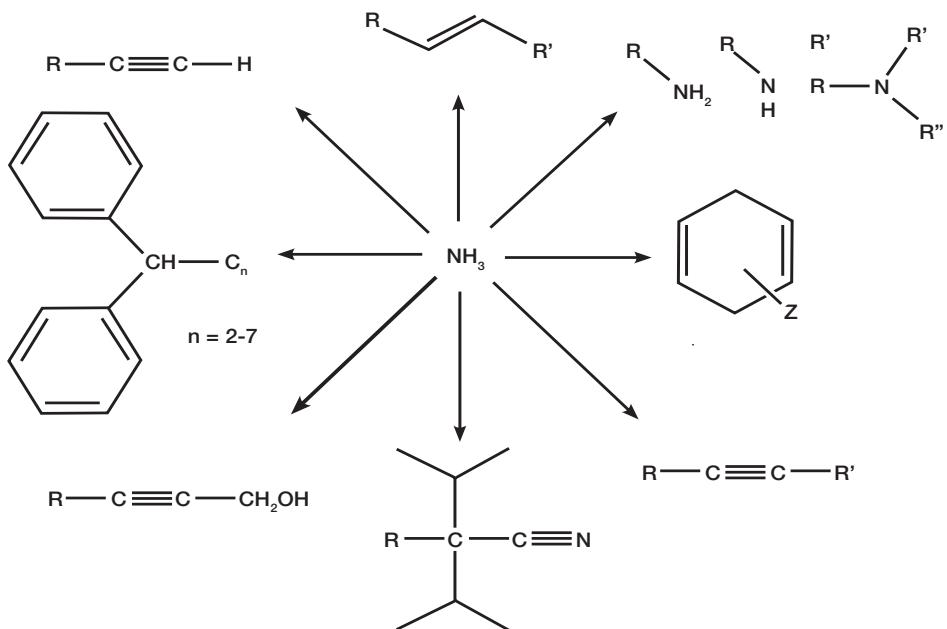


ALKYNES



GFS Chemicals -
Liquid Ammonia Chemistry
Technology Advancements

LIQUID AMMONIA REACTIONS



GRIGNARDS

For more than 100 years, the chemistry of Grignard reagents ($R\text{-Mg-X}$) has been known for use as highly versatile tools for building carbon skeletons of complex organic molecules. What were originally handled as products for captive use only, GFS made a conscious decision to support our customer base by offering specialty Grignards for research and commercial needs. Although not a commodity Grignard producer, GFS has the plant capacity to support specialty Grignards from lab scale through container volumes.

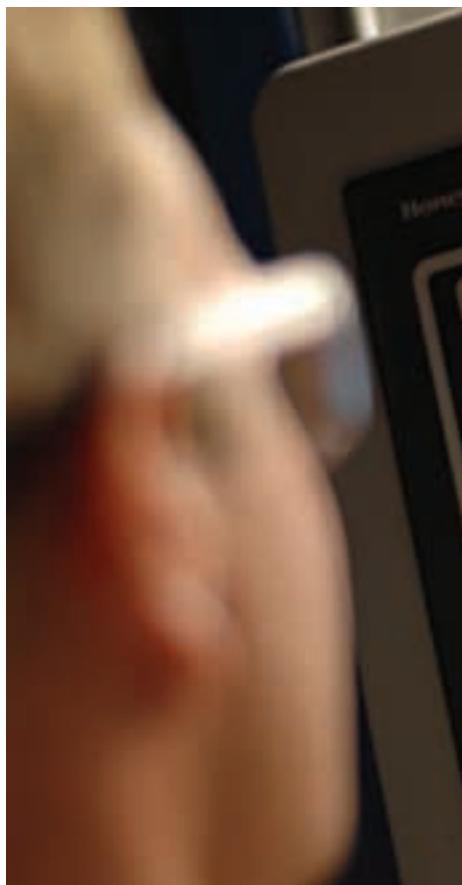
Our focus remains on the specialty Grignards that stem from our existing product lines:

- Alkyl Grignards (t-butyl MgBr, isopropyl MgBr, octyl MgCl, etc.)
- Alkynyl Grignards (ethynyl MgCl, propynyl MgBr, heptynyl MgCl, etc.)
- Olefinic Grignards (isopropenyl MgBr, Hexenyl MgBr, Octenyl MgCl, etc.)
- Aryl Grignards (phenyl MgCl, 4-benzyloxyphenyl MgBr, 4-chlorophenyl MgBr)

GFS Grignards can be supported in several solvents ranging from THF, butyl ether, methyl THF, diethyl ether, etc. Our ability to manufacture these internally helps our

customers save reactor space and time in their manufacturing facilities.

It also opens up the opportunity to go deeper with our customer base and provide the next step in their chemistry if interested. Our expanding Grignard line is available in bulk, typically made on demand and delivered in a timely manner. We also offer our customers



the unique option of purchasing Grignards in cylinders. Cylinders can offer improved methods of transfer that increase plant safety and help maintain product quality. With our background in Organic and Inorganic Manufacturing, GFS also offers several supporting products for Grignard chemistry.

This includes:

- Anhydrous solvents for Grignard reactions
- Elemental magnesium and iodine to support production of Grignard reagents
- Anhydrous cerium (III) chloride for Grignard initiation and organic reactions

Can't find what you are looking for? Need a special concentration or solvent? Please allow GFS Chemicals, Inc. to evaluate your request for a custom product.



Visit GFSorganics.com for more information on support for process chemistry

ORGANOMETALLIC CHEMISTRY

GFS supplies global industry partners in electronics, polymers and optics

Organometallic compounds provide a source of nucleophilic carbon atoms which can react with electrophilic carbon to form a new carbon-carbon bond. This is very important for the synthesis of complex molecules from simple starting materials. Organometallic compounds of Li, Mg (Grignard reagents) are amongst some of the most important organic reagents.

In order to meet the needs of our current (and future) customers, GFS Chemicals continually strives to manufacture and supply chemistries that are critically needed for cur-

rent industrial and academic purposes.

We always welcome the opportunity to provide additional organometallic chemicals, particularly within our core areas, not currently offered in our existing product lines.

Technology expertise includes:

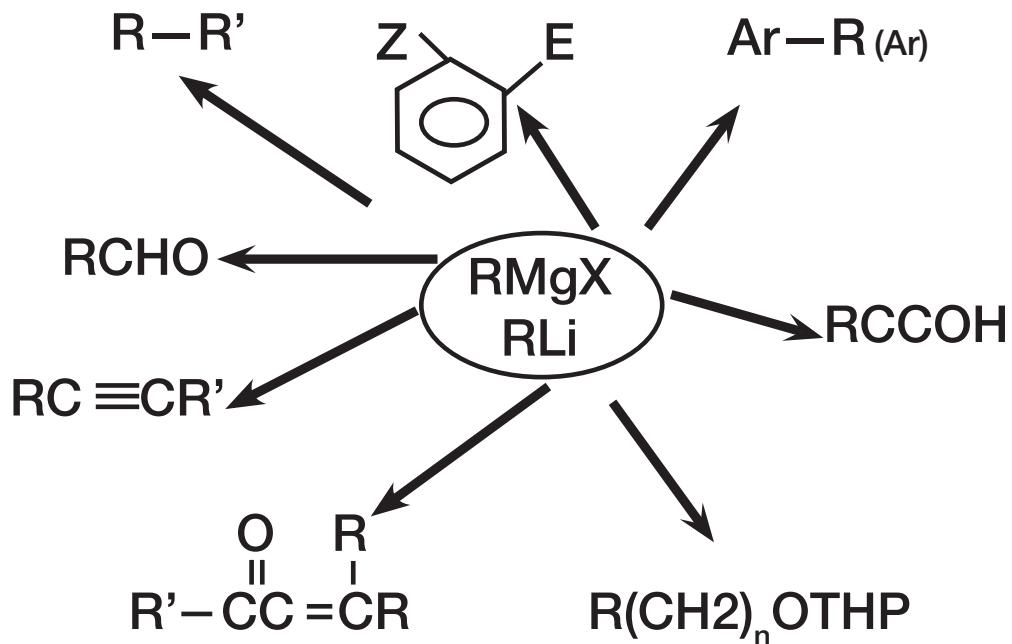
- Grignard
- Alkyl lithium
- Coupling (Suzuki, Stille, Negishi, Kumada)
- Heck Reaction
- Li/NA Amide
- Cis-reductions





The GFS catalog offers a window into our core manufacturing capabilities

Organometallics (Mg, Li, Na)



HETEROAROMATIC CHEMISTRY

For over 60 years GFS Chemicals has supported a mixed bag of heteroaromatic compounds. Until the acquisition of Farchan Labs these were largely focused on bipyridine, phenanthroline and terpyridine derivatives.

With the addition of over 400 acetylene derivatives and the capability to make hundreds more, GFS moved into a position to support "Click Chemistry"® from the ground floor opening up a new world of heteroaromatic development. If you can dream it, maybe we can help you build it. Again, this is another area of vertical integration that finds its' way into some of today's most exciting areas of development. GFS has been very active in supporting numerous customers – big and small – as an outsourcing partner by stringing together some of our core building blocks and helping create the molecule needed to move project forward.

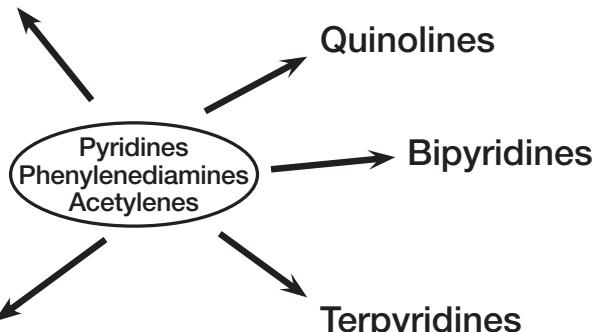
As such a large area of product development we are finding heteroaromatic compounds to be customer exclusive, creating a more custom product driven environment and limiting our direct exposure. We welcome your inquiries and offer a good backbone of chemistry and product mix to remain nimble and flexible in the support of your project.



GFS strives to support customer's needs based on their timeline and our innovation

Heteroaromatic Chemistry

Phenanthrolines



Our experienced staff of operators and chemists safely handle bromine, liquid ammonia butyl lithium and other hazardous raw materials



HALOGEN CHEMISTRY (CL, BR, I)

Halogenated Compounds
GFS Chemicals has handled such things as hydrogen chloride, iodine, bromine and other halogenating agents since founded.

As our core organic product base and technical capabilities expanded through the years we continued to add halogenated compounds to our product offering. Alkylations and other coupling chemistries are very common for halogenated organic compounds. The addition of such chemistry as liquid ammonia chemistry and grignard chemistry fur-

ther expanded our capabilities to utilize these versatile molecules to further support our customer base.

GFS offers a tremendous range of halogenated alkynes, alkenes (olefins), alkanes, cyclic and hetero-aromatic compounds that support internal and external projects. Although we don't handle fluorine or fluorides

in our manufacturing plant we do offer some complementary fluorine containing products to support our customer requirements and fill the product line.

Organohalides are widely used building blocks for chain lengthening, grignard production, coupling or amine production. As primary producers of such a wide variety of functional organohalides we're confident you'll see the value in coming to GFS Chemicals.

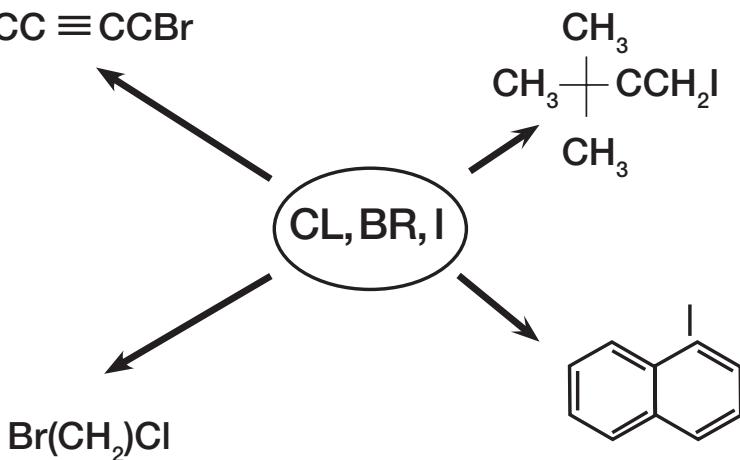
We provide problem solving solutions for some of the largest companies in the world





We back up every product we sell with technical support that is unmatched in the industry

Halogen Chemistry (Cl, Br, I)



Contact us regarding your specific application requirement. We promise to exceed your expectations for innovative chemical technology solutions

EQUIPMENT CAPABILITIES AND SCALE (ORGANIC DIVISION)

Kilo Lab Scale

- Glassware up to 72 L scale
- Distillation support up to 50L scale
 - Short path
 - Bench Strip
 - Rotary Evaporators
 - Long path
 - 18" to 48" packed columns
 - Stainless, Hastelloy, Ceramic packing

Pilot Scale

- 10 gal – 100 gal glass lined steel
- 10 gal – 200 gal Stainless
- Distillation Support
 - Rotary Evaporator
 - 30 gal – 50 gal glass lined steel distillation pots
 - 4' to 12' columns
 - Glass & stainless packing

Plant Scale

- 350-500 gal Hastelloy
- 100-1000 gal Glass
- 200-1000 gal Stainless
- Distillation support
 - Short path
 - 50 gal-500 gal glass lined
 - Long path/Fractional
 - 4' to 16' column
 - Stainless, Hastelloy, Glass packing
 - Solids Handling
 - Hastelloy and Stainless centrifugation

Plant Scale Supports

- Vacuum capabilities to < 10 Torr
- Pressure handled to < 100 psi
- Reaction conditions controlled from -40°C to +140°C
- Distillation conditions controlled from 20°C to 250°C

- Scrubbing supports for acid/base, ammonia and sulfide
- Nitrogen used as inerting atmosphere

Our customers count on us to provide accurate and timely quotes and project updates



Bulk Reagents Handled Routinely

- Acetylene
- Ammonia, anhydrous
- Alkyllithium
- Blocking/Protecting Groups (BOC, TMS, THP)
- Carbon disulfide
- Chloroformates
- Chlorosulfonic acid
- Epichlorohydrin
- Ethylene oxide
- Bromine
- Lithium amide
- Lithium metal
- Magnesium
- Sodium amide
- Sodium metal
- Thionyl Chloride
- Trialkylsilanes
- Iodine
- Hydrogen Chloride

We are one of a handful of companies that perform the widest range of technologies all under one business



APPLICATIONS

PHARMACEUTICAL INDUSTRY

GFS understands the demanding needs of the Pharmaceutical industry. We focus our efforts on batch to batch reproducibility to ensure our product profiles remain consistent. Optimization is an early focus in development so process changes are minimized as products move to the production floor. Our goal is to provide you with a short and long term option that you can have confidence will satisfy your strict quality requirements. Please contact us to learn more about our capabilities.

We have the ability to produce the highest quality organic intermediates and building blocks through the drug development process from bench scale quantities through commercial production. We work with small independent development companies and major pharmaceutical companies. Specialty alcohols, alkynes, phenyl acetylene, TMS acetylene and propargylamine are a few of our products used in pharmaceuticals.



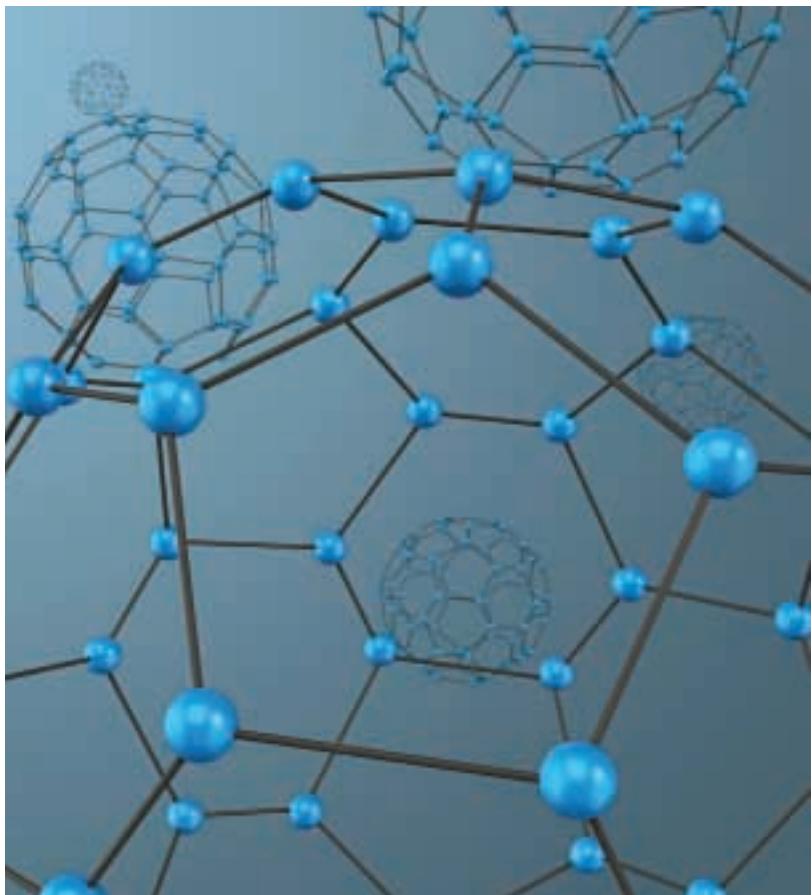
**As a SOCMA ChemSteward®
partner and ISO 9001:2008
organization, we maintain
high standards for safety and
environmental protection**

GFS manufactures a variety of products for the pharmaceutical industry (including but not limited to):

- BOC Propargylamine
- Trimethylsilyl Acetylene
- 3-Butyn-1-ol
- 3-Methyl-3-oxetanemethanol
- Propargylamine
- 3-Methyl-1-butyne
- Ethyl Ethynyl Ether
- 4-Pentynoic acid
- 5-Hexyn-1-ol
- Ethyl-2-butynoate
- Neopentyl Alcohol
- 6N HCL in IPA
- 1-Bromo-2-butyne
- Phenylacetylene
- 2-Butyn-1-ol
- Specialty Grignards (Cl, Br) in a variety of solvents (Butyl Ether, EE, THF, MeTHF)

Note: GFS Chemicals' products are not marketed or sold for specific application usage. Product identification is for informational purposes only and not guaranteed to work in specific applications.

We value your time and your business, and we will treat you like our best customer



ELECTRONICS INDUSTRY

A number of GFS Chemicals products have been shown to be useful in Electronics Applications. These applications range from Chromophores and Oxidation/Reduction Indicators to Conductive Inks, Thermally Conductive Interface Materials, Fiber Optics, Fuel Cells, Organic Photo Voltaics, and many others. Whether it is a building block intermediate or a functional product, GFS Chemicals offers a wide range of Alkynes, Olefins, Heteroaromatic Ligands, and Precious Metal Complexes for these applications.

GFS manufactures a variety of products for the electronics industry (including but not limited to):

- 2,2'-Bipyridine
- 2,2',2"-Terpyridine
- 1,1-Diphenyl-2-propyn-1-ol
- N,N-Dimethylamino TMS (DMA-TMS)
- 1-Amino-5-hexene
- Cyclohexane/Isopropanol

- Pentacene
- 3-Methyl-1-hexyne
- Triazines
- 2,4,6-Tri-(4-pyridyl)-1,3,5-(TPT)

- 3-Amino-3-methyl-1-butyne
- 2-Methyl-3-butyn-2-ol



GFS Chemicals is a manufacturer with a deep and unusual toolbox

Function	Technology
Chromophores	Diacetylenics
PhotoChromic Indicators	Alkynes
Oxidation Reduction Indicators	Phenanthrolines, Bipyridine
Fiber Optics	Heteraromatic Ligands
Thermally Conductive Interface Materials	Alkynes
Electroplating Chemicals	Alkynes, Phenanthrolines
Electro-optics Materials	Alkynes, Olefins
OLED's	Alkynes, Heteroaromatic Ligands
PhotoVoltaics	Alkynes, Olefins

For more information, contact:
development@gfschemicals.com

Note: GFS Chemicals' products are not marketed or sold for specific application usage. Product identification is for informational purposes only and not guaranteed to work in specific applications.

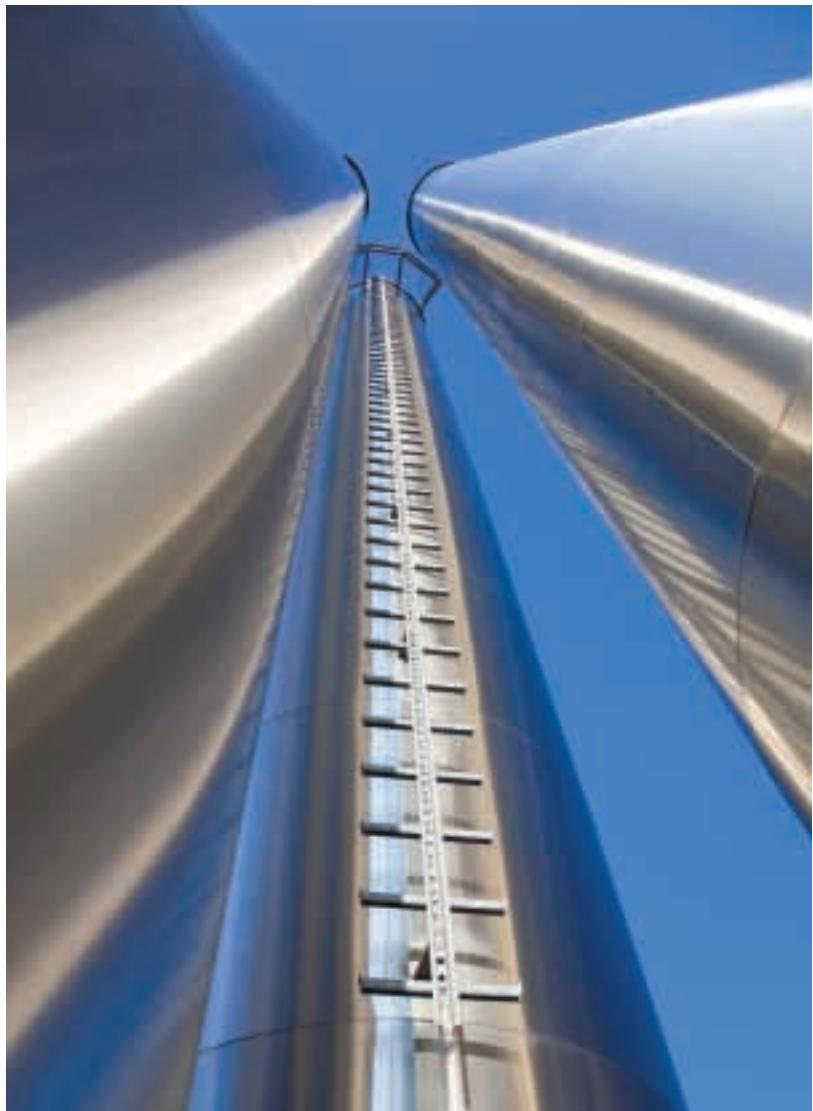
POLYMER INDUSTRY

GFS Chemicals products have been used as building blocks and intermediates for the manufacture of high temperature and high performance polymers. They have also found application in the field of nano technology. Applicable products include phenyl acetylene and TMS acetylene. There are a growing number of literature references for the use of acetylenic intermediates in organic synthesis from Click Chemistry to specialty polymers.

GFS manufactures for a variety of products for the polymer industry (including but not limited to):

- 4-Phenylethynylphthalic anhydride
- 10,12-Tricosadiynoic Acid
- 10,12-Pentacosadiynoic Acid
- Methyl 10,12-tricosadiynoate, 98%
- Methyl oxetane methanol

Note: GFS Chemicals' products are not marketed or sold for specific application usage. Product identification is for informational purposes only and not guaranteed to work in specific applications.



Scale-up flexibility from small sample sizes to drums to metric tons, to ensure consistent quality from R&D to pilot to final production

FLAVORS AND FRAGRANCES INDUSTRY

GFS Chemicals products have been used as building blocks and intermediates for the manufacture of flavors and fragrances including a broad range of unsaturated alcohols, unsaturated acids and esters, internal alkynes and phenylacetylene derivatives.

GFS manufactures for a variety of products for the flavor and fragrance industry (including but not limited to):

- 4-Pentyn-1-ol
- Methyl-5-hexynoate
- 1-Heptyne
- Ethyl-2-butynoate
- 2-Butyn-1-ol
- Neopentyl alcohol
- 1-Phenyl-2-propyn-1-ol
- 4,4'-Diphenyl-2,2'-bipyridine
- Phenylacetylene
- 2,2-Diisopropyl-propanenitrile

GFS understands the demanding needs of the Flavor and Fragrance industry. Process controls and batch production operations help ensure consistent quality control and batch to batch profiles. Our technical staff

constantly monitors the quality of our products using the most current methods and instrumentation. We have a proven track record of taking products from development through the commercialization process. Our hands on staff of chemists are available to solve technical problems and to work with you to develop new and improved products. Contact us with your specific requirements or to learn more about our capabilities.

Note: GFS Chemicals' products are not marketed or sold for specific application usage. Product identification is for informational purposes only and not guaranteed to work in specific applications.

As a U.S.-based fine chemical manufacturer, we ensure material availability, consistency and delivery



PHEROMONE PRECURSORS

GFS Chemicals products have been used as building blocks and intermediates for the manufacture of specialty pheromones.

Our liquid ammonia technologies enable the synthesis of long chain internal and terminal alkynes, alkynols and specialty olefins used as pheromone precursors.

This technology includes:

- 10, 12, 14 and 16 carbon olefinic alcohols, acetates and aldehydes
- Long chain diynoic acids
- Liquid ammonia/alkalai metal chemistries for the production of alkynes (acetylenes) and olefinic and specialty alkyklations
- Terminal Alkynes
- Alkyn-ols
- Halo-silyl alkynes

GFS manufactures a variety of products for the phero-mone industry (including but not limited to):

- 1-Pentyne
- 1-Heptyne
- 1-Hexyn-3-ol

GFS technology and products have kept us steps ahead of the industry's ever-changing chemical needs

- 2-Heptyn-1-ol
- 7-Hexadecyn-1-ol
- 2-Butyn-1-ol
- 4-Pentyn-1-ol
- 1-Hexyne
- 1-Octyne
- 3-Hexyn-2-ol
- 2-Octyn-1-ol
- 5-Decyn-1-ol
- 3-butyn-1-ol

Note: GFS Chemicals' products are not marketed or sold for specific application usage. Product identification is for informational purposes only and not guaranteed to work in specific applications.



COLORS AND DYES INDUSTRY

A number of GFS Chemicals products have been shown to be useful in color and dye applications. GFS Chemicals products have been used as building blocks and intermediates for the manufacture of colorants & dyes. Examples of products used include phenyl acetylene and diols. GFS manufactures a variety

of products for the colorant and dye industry (including but not limited to):

- 2,4-Hexadiyne-1,6-diol
- 4,6-Decadiyne-1,10-diol
- p-Dimethylaminobenzaldehyde
- PCDA/ Other Conjugated Diynes
- Assorted Phenanthrolines

Note: GFS Chemicals' products are not marketed or sold for specific application usage. Product identification is for informational purposes only and not guaranteed to work in specific applications.

We are big enough to do interesting chemistries for customers but small enough to do it with the flexibility and service they appreciate



INORGANIC CHEMICALS

Throughout the industry, we are recognized as “problem solvers” in the area of inorganic chemistry. We supply bulk quantities of inorganic products from multi-kilograms to ton lots, with special emphasis on quantities of one to ten metric tons. For scale-up projects we can supply many materials up to 100 metric tons through efficient batch production.

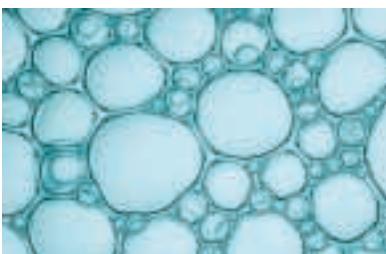
Using our proven technology to customize your product, we create customer-specific item numbers to streamline and safeguard your process. Our formalized and repeatable ISO manufacturing ensures that you get the same exact material every time.

ANALYTICAL & LABORATORY CHEMICALS

Many process applications begin with the trial of our catalog sizes. Specific details on these products can be found in our comprehensive catalog.

GFS manufactures over 6,000 organic and inorganic analytical reagent chemicals and specialties in a lean manufacturing operation. We have most chemicals needed for laboratory, bench, analytical, quality control, materials characterization, scientific or research work.

Our ultra-high purity double-distilled Veritas® and ACS Superior™ brand acids and Watermark® brand reagents are used throughout the world. GFS In-Spec® chemicals set the standard for spectrophotometry calibration. Our AMCO Clear® Water Analysis Division manufactures the highest water calibration standards available for water treatment plants around the globe.



- Watermark® Pyridine-Free Karl Fischer Reagents
- Veritas® HPLC Solvents
- HPLC/GC/UV-Vis Solvents
- Reagent Grade Solvents
- Spectroscopy Products
- In-Spec® Spectrophotometric Standards (TOC, UV-Vis, SUVA-254, Colorimeter)
- AMCO Clear® Turbidity Standards
- Primary Standard Salts
- Normality Solutions
- Dyes and Indicators
- Silver Compounds
- Reagents for Water & Wastewater Labs
- Organic Halogen Reagent – OHR/Halogen Level Field Test Kits
- Polyethylene Glycol (small quantities)
- Conductivity Standards and pH Buffers
- AA and ICP Standard Solutions
- Anion Standard Solutions
- Standard Solutions for Trace Metal Analysis
- ACS Reagents
- ASTM Type I Deionized water

MANUFACTURING RESEARCH ORGANICS

CAS #	Item Name	GFS Item #	CAS #	Item Name	GFS Item #
22059-22-9	ACETAMIDE OXIME2	559	66990-32-7	10,12-PENTACOSADIYNOIC ACID	3261
62595-52-2	1-AMINO-10-UNDECENE	3437	123-54-6	2,4-PENTANEDIONE, 99%	2751
34825-70-2	1-AMINO-5-HEXENE, 98%	5529	109-67-1	1-PENTENE, 98%	3396
2978-58-7	3-AMINO-3-METHYL-1-BUTYNE	3395	627-19-0	1-PENTYNE, 97%	3270
36309-88-3	BATHOPHENANTHROLINE		10229-10-4	3-PENTYN-1-OL	3275
	RUTHENIUM COMPLEX	1597	5390-04-5	4-PENTYN-1-OL	3276
366-18-7	2,2'-BIPYRIDINE	109	6089-09-4	4-PENTYNOIC ACID, 98%	3273
4117-09-3	7-BROMO-1-HEPTENE, 98%	5252	4187-87-5	1-PHENYL-2-PROPYN-1-OL, 98%	3287
3355-28-0	1-BROMO-2-BUTYNE, 98%	3015	127-66-2	2-PHENYL-3-BUTYN-2-OL, 99%.	3282
16400-32-1	1-BROMO-2-PENTYNE, 97%	3020	536-74-3	PHENYLACETYLENE, 98%	3279
557-93-7	2-BROMOPROPENE, 99%	5283	59-88-1	PHENYLHYDRAZINE HCL, 99%	2345
38002-45-8	3-BROMO-1-TMS-1-PROPYNE	3420	7789-60-8	PHOSPHORUS TRIBROMIDE, 97%	2757
627-19-0	3-BUTEN-1-OL	3807	865-47-4	POTASSIUM T-BUTOXIDE, 95%	2550
927-74-2	3-BUTYN-1-OL	3034	107-19-7	PROPARGYL ALCOHOL, 99%	3295
107-00-6	1-BUTYNE, 98%	3029	2450-71-7	PROPARGYLAMINE	3959
764-01-2	2-BUTYN-1-OL	3033	74-99-7	PROPYNE, 99%	3305
1111-97-3	3-CHLORO-3-METHYL-1-BUTYNE	3048	6192-52-5	P-TOLUENESULFONIC ACID	2416
14267-92-6	5-CHLORO-1-PENTYNE	3053	124-41-4	SODIUM METHOXIDE, 25%	2764
628-41-1	1,4-CYCLOHEXADIENE, 97%	3389	5557-88-0	T-2-PENTEN-4-YN-1-OL, 95%	3450
10160-87-9	DIETHOXYPROPYNE	5354	1148-79-4	2,2"-TERPYRIDINE, 96%	177
917-92-0	3,3-DIMETHYL-1-BUTYNE, 97%	3097	7719-09-7	THIONYL CHLORIDE, 98%	2633
3923-52-2	1,1-DIPHENYL-2-PROPYN-1-OL	3110	6690-30-5	10,12-TRICOSADIYNOIC ACID	3316
122-39-4	DIPHENYLAMINE, REAGENT	133	89343-06-6	TRIISOPROPYL SILYLACETYLENE	3337
6921-28-4	DIPROPARGYLAMINE	3854	1777-03-3	(TRIETHYLSILYL)ACETYLENE	3325
4341-76-8	ETHYL 2-BUTYNOATE, 98%	3132	121-44-8	TRIETHYLAMINE, 99%	2774
927-80-0	ETHYL ETHYNYL ETHER, 50%	3134	1066-54-2	(TRIMETHYLSILYL)ACETYLENE	3340
2396-63-6	1,6-HEPTADIYNE, 98%	3158	5272-36-6	3-TMS PROPARGYL ALCOHOL	3359
628-71-7	1-HEPTYNE, 98%	3164	2774-84-7	10-UNDECYN-1-OL, 97%	3370
30964-00-2	6-HEPTYNOIC ACID	3167	6921-29-5	TRIPROPARGYLAMINE, 97%	3969
628-16-0	1,5-HEXADIYNE, 50% W/W	3179			
53293-00-8	5-HEXYNOIC ACID	3197			
928-90-5	5-HEXYN-1-OL, 97%	3202			
85655-98-7	3-HEXYN-1,6-DIOL, 97%	3447			
7803-57-8	HYDRAZINE MONOHYDRATE	1160			
7647-01-0	HYDROGEN CHLORIDE, 6N IPA	2474			
123-31-9	HYDROQUINONE	552			
13291-18-4	ISOPROPENYLMG BR, THF	5291			
7439-95-4	MAGNESIUM, METAL TURNINGS	1167			
115-19-5	2-METHYL-3-BUTYN-2-OL	3210			
598-23-2	3-METHYL-1-BUTYNE, 96%	3209			
4313-57-9	1-METHYL CYCLOHEXADIENE	3211			
1942-45-6	4-OCTYNE, 99%	3258			
935-14-8	P-DIETHYNYLBENZENE, 98%	3385			
5144-89-8	1,10-PHENANTHROLINE	162			

Visit GFSOrganics.com

For more information, contact:

Service@GFSChemicals.com

800-858-9682

This list describes some of the compounds manufactured by GFS Chemicals.

It is not intended to be comprehensive.

GFS provides a wide range of similar

compounds. For a full listing, visit:

www.gfsorganics.com or request an

organic catalog.

ACETALDEHYDE, REAGENT, (ACS)**ITEM 2388**

Ethanal

CH₃CHO F.W. 44.05Assay 99.5% min
Titrable Acid 0.008 meq/g

CAS # 75-07-0

DOT 3/I

NFPA # 3-4-2

88091 125 ML
88092 500 ML
88093 900 ML

Specific Gravity 0.804

 \pm -ACETALDEHYDE ETHYL PROPARGYL ACETAL, 98%**ITEM 3001**

Requires Refrigeration.

CH₃CH(OCH₂CH₃)(OCH₂C≡CH) F.W. 128.17

Assay 98% min. Index of Refraction 1.4146

CAS # 18669-04-0 DOT 6.1/3/II

80001 100 G
80002 500 G
Specific Gravity 0.893**ACETAMIDE, REAGENT****ITEM 827**CH₃CONH₂ F.W. 59.07Assay (by GC-FID) 98.0% min.
Residue after ignition 0.01%
Chloride 0.002%
Heavy Metals (as Pb) 0.0005%

CAS # 60-35-5 DOT NR NFPA # 1-1-1

10052 100 G
10051 500 G**ACETAMIDE OXIME, 96%****ITEM 2559**

Not on the TSCA inventory.

CH₃C(NOH)NH₂ F.W. 74.09

Assay (Nonaqueous titration), 95.0% - 105.0%

Identification by GC/MS - Conforms

Appearance - White to off-white crystal

CAS # 22059-22-9 DOT 9/III

10061 25 G
10062 100 G**ACETIC ANHYDRIDE, REAGENT, (ACS)****ITEM 714**(CH₃CO)₂O F.W. 102.09Assay 97.0% min
Chloride 0.0005%
Sulfate 0.0005%
Iron 0.0005%
Substances reducing permanganate Pass TestResidue after evaporation 0.003%
Phosphate 0.001%
Heavy metals (as Pb) 0.0002%
Substances reducing permanganate Pass Test

CAS # 108-24-7

DOT 8/3/II

NFPA # 3-2-2

10401 500 ML
10402 2.5 L
10403 6 X 500 ML
10404 4 X 2.5 L
10405 6 X 2.5 L
Specific Gravity 1.082**ACETONE, ACS ULTRAVIOLET SPECTROPHOTOMETRY GRADE****ITEM 829**

Suitable for ultraviolet spectrophotometry

(CH₃)₂CO F.W. 58.08Assay 99.5% min.
UV Absorbance @ 350 nm 0.02
UV Absorbance @ 340 nm 0.01
Residue after evaporation 0.001%
Titrable acid 0.0003 meq/g
Aldehyde 0.002%
Isopropanol 0.05%
Substances reducing permanganate- Pass test

UV Absorbance @ 400 nm 0.01

UV Absorbance @ 340/330 nm 0.10/1.00

Solubility in water-Pass test

Titrable base 0.0006 meq/g

Color (APHA) 10 max

Methanol 0.05%

Water 0.5%

CAS # 67-64-1

DOT 3/II

NFPA # 1-3-2

10464 1 L
10465 6 X 1 L
10462 4 L
10463 4 X 4 L

Specific Gravity 0.791

ACETONYL ACETONE, 97%**ITEM 2384**

2,5-Hexanedione

CH₃COCH₂CH₂COCH₃ F.W. 114.14Assay (GC-FID), 96.5% min
H₂O (KF), 0.5% max
Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

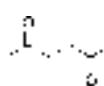
CAS # 110-13-4

DOT NR

NFPA # 1-1-0

10571 100 G
10572 500 G

Specific Gravity 0.974



ACETOPHENONE, 98%**ITEM 1069**

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 98-86-2 DOT 3/III NFPA # 1-2-1

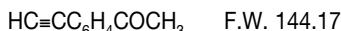
10531 500 ML
10532 6 X 500 ML
10533 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 1.028

**3-ACETYLPHENYLACETYLENE, 98%****ITEM 2933**

Not on the TSCA inventory.



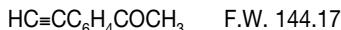
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Yellow powder/solid

CAS # 139697-98-6 DOT NR

38671 1 G
38672 5 G

**4-ACETYLPHENYLACETYLENE, 98%****ITEM 2935**

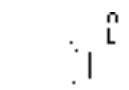
Not on the TSCA inventory. 4'Ethylnylacetophenone



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Yellow powder/solid

CAS # 42472-69-5 DOT NR

14291 1 G
14292 5 G
14293 25 G

**AGAR, POWDER****ITEM 667**

Appearance - white to cream (beige) powder Moisture 20% max.
Solubility of 1.5% solution - slightly hazy Residue on ignition (as sulfate)
6.5% max.

pH of 1.5% solution 6-8

CAS # 9002-18-0 DOT NR NFPA # 0-0-0

10801 100 G
10802 500 G
10803 2.5 KG

**ALCOHOL REAGENT, ANHYDROUS,
REAGENT (ACS)****ITEM 1850**

Reagent alcohol, consisting of about 5 volumes of isopropyl alcohol and
95 volumes of specially denatured formula 3-A alcohol. Cannot be used
for human consumption.

Assay 94.0-96.0% (v/v) Ethanol & Methanol
4.0-6.0% (v/v) Isopropanol
Residue after evaporation 0.001%

CAS # 64-17-5 DOT 3/II NFPA # 1-3-0

10905 1 L
10906 6 X 1 L
10903 4 L
10904 4 X 4 L

Specific Gravity 0.790

ALIQUAT 336**ITEM 3383**

Tricaprylmethylammonium Chloride; Methyltriocetylammonium chloride.



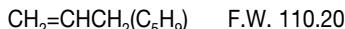
CAS # 5137-55-3 DOT 8/6.1/III NFPA # 3-1-1

83771 100 ML
83772 1 L

Specific Gravity 0.884

ALLYLCYCLOPENTANE, 98%**ITEM 3435**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Appearance - Clear, colorless liquid

CAS # 3524-75-2 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.793

**1-ALLYL-2-THIOUREA, 98%****ITEM 5192**

Assay (Nonaqueous titration), 97.5% - 102.5% Appearance - White to off-white crystal/powder

CAS # 109-57-9 DOT 6.1/II NFPA # 2-0-0

10241 50 G
10242 250 G



2-AMINOETHANOL, REAGENT (ACS)**ITEM 622**H₂NCH₂CH₂OH F.W. 61.09

Assay 99.0% min.

Iron 0.0005%

Water 0.30%

CAS # 141-43-5

DOT 8/III

NFPA # 2-2-0

12001 500 ML

12002 2.5 L

12004 6 X 500 ML

12005 4 X 2.5 L

Specific Gravity 1.012

Heavy metals 0.0005%

Color (APHA) 15 max.

1-AMINO-10-UNDECENE, 97%**ITEM 3437**

Not on the TSCA inventory.

H₂C=CH(CH₂)₉NH₂ F.W. 169.31

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 62595-52-2 DOT 9/III

12241 10 G

12242 50 G

Specific Gravity 0.809

**1-AMINO-5-HEXENE, 98%****ITEM 5529**

5-Hexenylamine

H₂C=CH(CH₂)₄NH₂ F.W. 99.17Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 2.0% max Appearance - Clear, colorless to yellow liquid

CAS # 34825-70-2 DOT 8/3/II NFPA # 3-3-0

17651 5 G

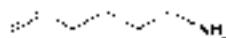
17652 25 G

17653 100 G

17654 500 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.791

**3-AMINO-3-METHYL-1-BUTYNE, 95%****ITEM 3395**

1,1-Dimethylpropargylamine

HC≡CH₂C(CH₃)₂NH₂ F.W. 83.13Assay (GC-FID), 94% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 2978-58-7 DOT 3/8/II

83931 5 G

83932 25 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.790

**2-AMINOPHENOL****ITEM 5288**NH₂C₆H₄OH F.W. 109.13

CAS # 95-55-6

Please Inquire For Sizing And Pricing

2-AMINO-6-TRIFLUOROMETHYL BENZOIC ACID**ITEM 3487**

Not on the TSCA inventory.

F₃CC₆H₃(NH₂)COOH F.W. 205.14

CAS # 314-46-5 DOT NR

10271 1 G

10272 5 G

AMMONIA BORANE, REAGENT**ITEM 5372**

Not on the TSCA inventory. Not intended for fuel cell use.

H₃NBH₃ F.W. 30.87

Assay (Titration), 95.0-105.0% Proton NMR - Conforms to structure

CAS # 13774-81-7 DOT NR NFPA # 0-0-1

16641 1 G

16644 10 G

16645 100 G

AMYL ACETATE**ITEM 849**

Mixture of ester isomers

C₅H₁₁O₂CCH₃ F.W. 130.19

Identity Pass test

Color(APHA) 15 max.

Water 0.2%

Nonvolatile matter 0.005%

CAS # 628-63-7 DOT 3/III NFPA # 2-3-1

13501 500 ML

13502 4 L

Specific Gravity 0.876

n-AMYL ALCOHOL, REAGENT (ACS)**ITEM 1140**

1-Pentanol

CH₃(CH₂)₄OH F.W. 88.16

Assay 98.0% min.

Residue after evaporation 0.003%

Acids and esters 0.075 meq/g

CAS # 71-41-0 DOT 3/III NFPA # 2-2-2

13551 500 ML

13552 4 L

13553 4 X 4 L

Specific Gravity 0.820

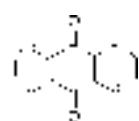
ANTHRAQUINONE, 97%**ITEM 2719**C₁₄H₈O₂ F.W. 208.22

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 84-65-1 DOT NR

13601 50 G

13602 250 G



AZOMETHINE H

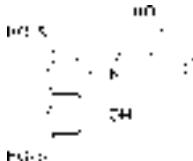
For determination of Boron.

 $C_{17}H_{13}NS_2O_8$ F.W. 423.43

Sensitivity to Boron - Pass test Clarity of solution - Pass test

CAS # 32266-60-7 DOT NR

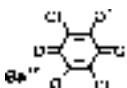
14051	1 G
14052	5 G
14053	25 G
14054	100 G

**BARIUM CHLORANILATE, REAGENT** $BaC_6O_4Cl_2 \cdot 3H_2O$ F.W. 398.37

Suitability for sulfate determination - Pass Test

CAS # 32458-20-1 DOT 6.1/III

14181	25 G
14182	100 G
14183	500 G

**BARIUM DIPHENYLAMINE SULFONATE, 0.005 M SOLUTION**

0.005 Molar Solution in Water, Oxidation-reduction indicator.

 $Ba(SO_3C_6H_4NHC_6H_5)_2$

Suitability as indicator pass test

CAS # 1300-92-1 DOT NR

14321 500 ML

Specific Gravity 1.000

BATHOCUPROINE, LABORATORY REAGENT

2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline. Reagent for the colorimetric determination of copper. For uses of this reagent see booklet No. 217.

 $(CH_3)_2(C_6H_5)_2C_{12}H_4N_2$ F.W. 360.44

Sensitivity to copper (I) Pass test Clarity of solution - Pass test

CAS # 4733-39-5 DOT NR

14801	1 G
14802	5 G

Also available in semi bulk and bulk volumes.

ITEM 776**BATHOCUPROINE, SULFONATED, SODIUM SALT****ITEM 294**

2,9 Dimethyl-4,7-diphenyl-1,10-phenanthroline-disulfonic Acid Disodium Salt. Reagent for the colorimetric determination of copper. For uses of this reagent see booklet No. 217.

 $C_{12}H_4N_2(CH_3)_2(C_6H_4SO_3Na)_2$ F.W. 564.55

Sensitivity to copper - Pass Test	Color of solution - Pass Test
H ₂ O (KF), 12.5% max	Appearance - White to light tan powder/solid

CAS # 52698-84-7 DOT NR

14851	1 G
14852	5 G

Also available in semi bulk and bulk volumes.

**ITEM 856****BATHOPHENANTHROLINE, 99%****ITEM 108**

4,7-Diphenyl-1,10-phenanthroline. Reagent for colorimetric determination of iron. For uses of this reagent see booklet No. 218.

 $(C_6H_5)_2C_{12}H_6N_2$ F.W. 332.41

Assay (Non-aqueous titration), 98.5% to 101.5%	Assay (GC-FID), 98.5% min
Identification by GC/MS - Conforms	Sensitivity to Iron - Pass test
Appearance - White to tan crystal/powder	

CAS # 1662-01-7 DOT NR NFPA # 2-1-1

15001	1 G
15002	5 G
15003	25 G

**BATHOPHENANTHROLINE, SULFONATED, SODIUM SALT, REAGENT****ITEM 286**

4,7-Diphenyl-1,10-phenanthroline-disulfonic Acid Disodium Salt. Reagent for the colorimetric determination of iron. For uses of this reagent, see booklet No. 218.

 $C_{12}H_6N_2(C_6H_4SO_3Na)_2$ F.W. 536.50

Suitability as indicator Pass Test Sensitivity to iron Pass Test

CAS # 53744-42-6 DOT NR

15101	1 G
15102	5 G
15103	25 G



**tris-(BATHOPHENANTHROLINE)
RUTHENIUM (II) CHLORIDE**

Oxidation-reduction indicator

 $(C_{24}H_{16}N_2)_3RuCl_2$ F.W. 1169.20UV/Vis scan (400 nm - 700 nm) - Pass test Appearance - Orange to
orange-red powder/crystal

CAS # 36309-88-3 DOT NR

15083	250 MG
15081	1 G
15082	5 G

**tris-(BATHOPHENANTHROLINE)
RUTHENIUM (II) PERCHLORATE**

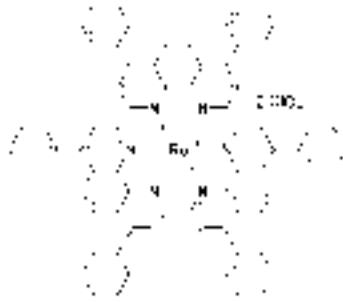
Oxidation-reduction indicator

 $(C_{24}H_{16}N_2)_3Ru(ClO_4)_2$ F.W. 1297.20

uv-vis Spectrophotometry - pass test

CAS # 75213-31-9 DOT NR

15071	250 MG
15072	1 G
15073	5 G

**tris-(BATHOPHENANTHROLINE)
RUTHENIUM (II) TETRAPHENYLBORON ITEM 2355** $(C_{24}H_{16}N_2)_3Ru[B(C_6H_5)_4]_2$ F.W. 1736.78

CAS # 188187-34-0 DOT NR

15093	250 MG
15091	1 G
15092	5 G

ITEM 1597**BENZALDEHYDE, 99%****ITEM 1070** C_6H_5CHO F.W. 106.12

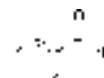
Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 100-52-7 DOT 9/III NFPA # 1-2-1

15201 500 ML

15202 4 L

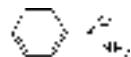
Specific Gravity 1.044

**BENZAMIDE, 99%****ITEM 5362** $C_6H_5CONH_2$ F.W. 121.14

Assay 99% min.

CAS # 55-21-0

Please Inquire For Sizing And Pricing

**BENZOFUROXAN, 98%****ITEM 1114**

Benzofurazan 1-oxide

 $C_6H_4N_2O_2$ F.W. 136.11Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Yellow powder/solid

CAS # 480-96-6 DOT NR NFPA # 2-1-0

15281 25 G

15282 100 G

**BENZOIC ACID, PRIMARY STANDARD ITEM 1681**

Meets all ACS Specifications

 C_6H_5COOH F.W. 122.12

Assay 99.95-100.05%	Freezing point 122-123 C
Residue after ignition 0.005%	Insoluble in methanol 0.005%
Chlorine compounds 0.005%	Sulfur compounds 0.002%
Heavy metals (Pb) 0.0005%	Substances reducing permanganate-pass test

CAS # 65-85-0 DOT NR NFPA # 1-1-1

15312 25 G

15311 100 G

BENZOIC ACID, REAGENT (ACS)

ITEM 673

 C_6H_5COOH F.W. 122.12

Assay 99.5% min
Residue after ignition 0.005%
Chlorine compounds 0.005%
Heavy metals (Pb) 0.0005%

Freezing point 122-123 C
Insoluble in methanol 0.005%
Sulfur compounds 0.002%
Substances reducing permanganate - pass test

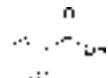
CAS # 65-85-0

DOT NR

NFPA # 1-1-1

15300 100 G
15301 500 G
15302 2.5 KG
15303 10 KG

Also available in semi bulk and bulk volumes.

**BENZIN ANTI-OXIME**

ITEM 536

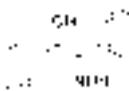
Precipitation reagent for copper, molybdenum and tungsten.

 $C_6H_5CH(OH)C(=NOH)C_6H_5$ F.W. 227.27

Assay 94.0% min.

CAS # 441-38-3 DOT NR

15401 25 G
15402 100 G

**BENZOPHENONE, 99%**

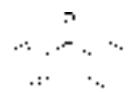
ITEM 2567

 $(C_6H_5)_2CO$ F.W. 182.22

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 119-61-9 DOT NR NFPA # 2-0-0

15291 250 G
15292 1 KG

**1,4-BENZOQUINONE, 98%**

ITEM 5387

p-Benzoquinone

 $C_6H_4O_2$ F.W. 108.09Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Yellow to green solid

CAS # 106-51-4 DOT 6.1/II

Please Inquire For Sizing And Pricing

**BENZOTRIAZOLE, 99%**

ITEM 3465

1H-Benzotriazole, 1,2,3-Benzotriazole

 $C_6H_4N_3H$ F.W. 119.13

Assay (GC-FID), 98.5% min

CAS # 95-14-7 DOT 6.1/III NFPA # 2-0-1

15392 250 G
15393 1 KG

**BENZOYL CHLORIDE, REAGENT (ACS)** ITEM 2390 C_6H_5COCl F.W. 140.57

Assay 98.0-100.5%
Residue after ignition 0.005%
Heavy Metals (as Pb) 0.001%
Iron (Fe) 0.001%

CAS # 98-88-4 DOT 8/II NFPA # 3-2-2

88111 100 ML
88112 500 ML
88113 4 L

Specific Gravity 1.210

**BENZYL ALCOHOL, REAGENT (ACS)** ITEM 2391

Benzinemethanol

 $C_6H_5CH_2OH$ F.W. 108.14

Assay 99.0% min
Residue after ignition 0.005%
Benzaldehyde (C_6H_5CHO) 0.01%

CAS # 100-51-6 DOT NR NFPA # 2-1-0

88121 100 ML
88122 500 ML
88123 4 L

Specific Gravity 1.045

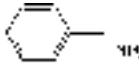
**BENZYLAMINE, 98%**

ITEM 5388

 $C_6H_5CH_2NH_3$ F.W. 107.15Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 100-46-9 DOT 8/II

15661 100 G
15662 500 G



4-BENZYLOXYPHENYL MAGNESIUM BROMIDE, 0.8 M, in TETRAHYDROFURAN ITEM 5204

Not on the TSCA inventory

C₆H₅CH₂OC₆H₄MgBr F.W. 287.45

Active concentration, 0.80 M ± 0.10 M Density (g/ml), Report

CAS # 120186-59-6 DOT 4.3/3/III NFPA # 3-3-3

Please Inquire For Sizing And Pricing

BIPHENYL, 99%

ITEM 2721

C₆H₅C₆H₅ F.W. 154.21

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 92-52-4 DOT 9/III

15701 100 G
15702 1 KG
15703 2.5 KG

Also available in semi bulk and bulk volumes.



2,2'-BIPYRIDINE, 99%, REAGENT (ACS) ITEM 109

2,2'-Bipyridyl. Reagent for the colorimetric determination of iron. Base for oxidation-reduction indicator.

(C₅H₄N)₂ F.W. 156.18

Assay (GC-FID), 98.5% min Clarity and absorbance of solution - Pass test

Sensitivity of ferrous iron - Pass test Melting point 70 C min

CAS # 366-18-7 DOT 6.1/III NFPA # 2-1-1

15802 10 G
15803 25 G
15804 100 G

Also available in semi bulk and bulk volumes.



tris-(2,2'-BIPYRIDINE) RUTHENIUM (II) CHLORIDE, HYDRATE ITEM 114

Oxidation-reduction indicator.

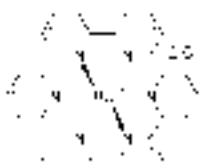
(C₁₀H₈N₂)₃RuCl₂•6H₂O F.W. 748.62

UV/VIS absorbance - Absorbance max at 454 nm Suitability as redox indicator - Pass test

CAS # 50525-27-4 DOT NR

15881 1 G
15882 5 G

Also available in semi bulk and bulk volumes.



cis-bis-(2,2'-BIPYRIDINE) RUTHENIUM (II) CHLORIDE, HYDRATE

ITEM 2791

Not on the TSCA inventory.

(C₁₀H₈N₂)₂RuCl₂•xH₂O F.W. 484.36

Appearance - Dark green to black solid H₂O (KF), 15.0% max

CAS # 98014-14-3 DOT NR

15891 500 MG
15892 2 G
15893 5 G

tris-(2,2'-BIPYRIDINE) RUTHENIUM (II) PERCHLORATE

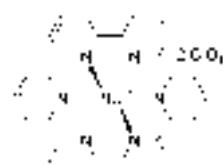
ITEM 2989

(C₁₀H₈N₂)₃Ru(ClO₄)₂ F.W. 768.53

uv-vis Spectrophotometry - pass test

CAS # 15635-95-7 DOT NR

15911 250 MG
15912 1 G
15913 5 G



4,4'-BIPYRIDINE

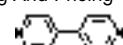
ITEM 2990

(C₅H₄N)₂ F.W. 156.18

Assay 98% min.

CAS # 553-26-4 DOT 6.1/III

Please Inquire For Sizing And Pricing



BORDEAUX

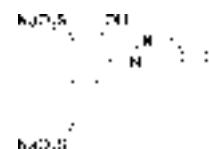
ITEM 118

Indicator for iodate and bromate oxidimetry.

C₂₀H₁₂N₂S₂Na₂ F.W. 502.43

CAS # 5858-33-3 DOT NR

17201 25 G
17202 100 G



BRIJ® 35

ITEM 2663

CAS # 9002-92-0 DOT NR

17491 100 G
17492 500 G
17493 2.5 KG

1-BROMO-2-BUTYNE, 98%**ITEM 3015**

Not on the TSCA inventory.

 $\text{CH}_3\text{C}\equiv\text{CCH}_2\text{Br}$ F.W. 132.99Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
CAS # 3355-28-0 DOT 3/III80141 5 G
80142 25 G
80143 100 G
80144 500 G
80145 2.5 KG

Specific Gravity 1.519

4-BROMO-1-BUTYNE, 98%**ITEM 5318**

Not on the TSCA inventory. 1-BROMO-3-BUTYNE

 $\text{HC}\equiv\text{CCH}_2\text{CH}_2\text{Br}$ F.W. 132.99Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
CAS # 38771-21-0 DOT 3/III16711 5 G
16712 25 G
16713 100 G**1-BROMO-1-BUTYNE****ITEM 5560**

Not on the TSCA inventory.

 $\text{BrC}\equiv\text{CCH}_2\text{CH}_3$ F.W. 132.99

CAS # 50405-39-5 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 1.460

**1-BROMO-6,6-DIMETHYL-2-HEPTEN-4-YNE,
cis/trans, 98%****ITEM 3017**

Not on the TSCA inventory.

 $(\text{CH}_3)_3\text{CC}\equiv\text{CCH}=\text{CHCH}_2\text{Br}$ F.W. 201.11Assay (GC-FID cis + trans), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless
to yellow liquid % cis isomer, Report
% trans isomer, Report

CAS # 126764-15-6 DOT 3/II

80162 5 G
80163 25 G
80164 100 G

Specific Gravity 1.120

7-BROMO-1-HEPTENE, 98%**ITEM 5252**

Not on the TSCA inventory.

 $\text{CH}_2=\text{CH}(\text{CH}_2)_5\text{Br}$ F.W. 177.08Assay (GC-FID), 97.5% min 1,4-Dibromobutane, 0.5% max
1,9-Decadiene, 2.0% max Identification by GC/MS - Conforms

CAS # 4117-09-3 DOT 3/III

14472 5 G
14473 50 G
14474 250 G
14475 1 KG
14476 20 KG
14477 225 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 1.162

7-BROMO-1-HEPTENE, 96%**ITEM 9561**

Not on the TSCA inventory.

 $\text{CH}_2=\text{CH}(\text{CH}_2)_5\text{Br}$ F.W. 177.08Assay (GC-FID), 95% min Identification by GC/MS - Conforms
CAS # 4117-09-3 DOT 3/III

Please Inquire For Sizing And Pricing

3-BROMO-2-METHYL-1-PROPENE, 98% ITEM 5502

Methylallyl Bromide

 $\text{CH}_2=\text{C}(\text{CH}_3)\text{CH}_2\text{Br}$ F.W. 135.00Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to
yellow liquid Stabilizer (Hydroquinone), Confirm presence
CAS # 1458-98-6 DOT 3/8/II17831 10 G
17832 50 G
17833 250 G**8-BROMO-1-OCTENE, 98%****ITEM 5343**

Not on the TSCA inventory.

 $\text{Br}(\text{CH}_2)_6\text{CH}=\text{CH}_2$ F.W. 191.11Assay (GC-FID), 97.5% min 1-Methyl-2-pyrrolidone, 0.05% max
Identification by GC/MS - Conforms Appearance - Clear, colorless to
yellow liquid

CAS # 2695-48-9 DOT NR

18271 5 G
18272 50 G
18273 250 G
18274 1 KG
18275 20 KG
18276 225 KG

Please Inquire For Sizing And Pricing

Specific Gravity 1.139

1-BROMO-2-OCTYNE, 96%

Requires refrigeration. Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCH}_2\text{Br}$ F.W. 189.10

Assay 96% min.

CAS # 18495-27-7 DOT 9/III

80181 5 G

80182 25 G

Specific Gravity 1.180

ITEM 3019**1-BROMO-2-PENTYNE, 97%**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{Br}$ F.W. 147.01

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 16400-32-1 DOT 3/III

80191 5 G

80192 25 G

80193 100 G

80194 500 G

80195 2.5 KG

Specific Gravity 1.393

ITEM 3020**cis-1-BROMOPROPENE, 98%**

Stored over copper.

 $\text{BrCH}=\text{CHCH}_3$ F.W. 120.98

Assay 98%

CAS # 590-13-6 DOT 3/II

Please Inquire For Sizing And Pricing

2-BROMOPROPENE, 99% $\text{CH}_3\text{C}(\text{Br})=\text{CH}_2$ F.W. 120.98Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Stabilizer(BHT), Confirm presence Appearance - Clear, colorless to yellow liquid

CAS # 557-93-7 DOT 3/II

14941 10 G

14942 50 G

14943 250 G

14944 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 1.362

ITEM 3019**2-BROMOPYRIDINE, 98%****ITEM 328** $\text{C}_5\text{H}_4\text{NBr}$ F.W. 158.01Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 109-04-6 DOT NR

18200 25 G

18201 100 G

18202 500 G

Also available in semi bulk and bulk volumes.

Specific Gravity 1.634

**1-BROMO-4-TRIMETHYLSILYL BENZENE,
97%****ITEM 3469**

Not on the TSCA inventory

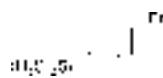
 $\text{BrC}_6\text{H}_4\text{Si}(\text{CH}_3)_3$ F.W. 229.20Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 6999-03-7 DOT NR

10421 1 G

10422 5 G

Specific Gravity 1.173

**3-BROMO-1-TRIMETHYLSIYL-1-PROPYNE,
97%****ITEM 3420**

Refrigerate and store under inert gas. Not on the TSCA inventory.

 $\text{BrCH}_2\text{C}\equiv\text{CSi}(\text{CH}_3)_3$ F.W. 191.15Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

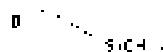
CAS # 38002-45-8 DOT 9/III

18311 10 G

18312 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 1.351

**1,4-BUTANEDIOL DIGLYCIDYL ETHER****ITEM 3495**

1,4-bis(2,3-epoxypropoxy)butane

 $\text{C}_{10}\text{H}_{18}\text{O}_4$ F.W. 202.28

Assay (GC-FID), 50.0% min Appearance - Clear, colorless liquid

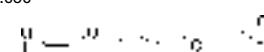
CAS # 2425-79-8 DOT NR NFPA # 2-1-0

10431 100 ML

10432 1 L

Also available in semi bulk and bulk volumes.

Specific Gravity 1.050



cis-2-BUTENE, 99%

Cylinder deposit; Cylinder pressure 30.5 psi @ 21C

 $\text{CH}_3\text{CH}=\text{CHCH}_3$ F.W. 56.11

Assay (by GC) 99.0% min.

CAS # 590-18-1

DOT 2.1

ITEM 3374

NFPA # 1-4-0

83681 50 G
83682 200 G

Specific Gravity 00627

trans-2-BUTENE, 99%

Cylinder deposit; Cylinder pressure 30.5 psi @ 21C

 $\text{CH}_3\text{CH}=\text{CHCH}_3$ F.W. 56.11

Assay (by GC) 99.0% min.

CAS # 624-64-6

DOT 2.1

ITEM 3375

NFPA # 1-4-0

83691 50 G
83692 200 G

Specific Gravity 00610

3-BUTEN-1-OL, 98+% $\text{H}_2\text{C}=\text{CHCH}_2\text{CH}_2\text{OH}$ F.W. 72.11

Assay (GC-FID), 98.0% min

H₂O (KF), 0.5% max

CAS # 627-27-0

DOT 3/III

NFPA # 2-3-1

16851 5 G
16852 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.838

**N-(tert-BUTOXYCARBONYL)
PROPARGYLAMINE, 98%**

N-BOC PROPARGYLAMINE

 $\text{C}_8\text{H}_{13}\text{NO}_2$ F.W. 155.19

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - White to tan solid/crystal

CAS # 92136-39-5

DOT NR

18281 5 G
18282 50 G
18283 250 G

Please Inquire For Sizing And Pricing

ITEM 5551E-Mail Development@GFS Chemicals.com to
Inquire about Scale Up or Process Quantities.**4-(t-BUTOXY)PHENYLACETYLENE, 98% ITEM 3490**

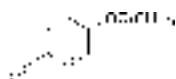
Not on the TSCA inventory

 $(\text{CH}_3)_3\text{COC}_6\text{H}_4\text{C}\equiv\text{CH}$ F.W. 174.24

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 32569-86-1 DOT NR

Please Inquire For Sizing And Pricing

**n-BUTYL ACETATE, REAGENT (ACS) ITEM 2392** $\text{CH}_3\text{COO}(\text{CH}_2)_3\text{CH}_3$ F.W. 116.16Assay 99.5% min
Residue after evaporation 0.001%
Substances darkened by sulfuric acid
passes test
n-Butyl alcohol (C4H9OH) 0.2%Color (APHA) 10
Titrable acid 0.0016 meq/g
Water (H₂O) 0.1%

CAS # 123-86-4 DOT 3/II NFPA # 1-3-0

88131 500 ML

88132 2.5 L

88133 4 L

Specific Gravity 0.882

**sec-BUTYL ACETATE, 98% ITEM 1100** $\text{CH}_3\text{COOCH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ F.W. 116.16Assay (GC-FID), 98.0% min H₂O (KF), 0.5% max

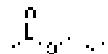
CAS # 105-46-4 DOT 3/II NFPA # 2-3-0

18621 125 ML

18622 500 ML

Also available in semi bulk and bulk volumes.

Specific Gravity 0.864

**tert-BUTYL ACETATE, 98.0% ITEM 1101** $\text{CH}_3\text{COOC}(\text{CH}_3)_3$ F.W. 116.16

Assay (GC-FID), 98.0% min Boiling range 2 degrees including 96 C

CAS # 540-88-5 DOT 3/II NFPA # 1-3-0

18631 125 ML

18632 500 ML

18633 4 L

18634 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.870



n-BUTYL ALCOHOL, REAGENT (ACS) ITEM 865

1-Butanol

 $\text{CH}_3(\text{CH}_2)_2\text{CH}_2\text{OH}$ F.W. 74.12

Assay 99.4% min.

Residue after evaporation 0.005%

Water 0.1%

Carbonyl compounds (as Butyraldehyde) 0.01% max

CAS # 71-36-3

DOT 3/III

NFPA # 1-3-0

18641 500 ML

18642 4 L

Specific Gravity 0.810

Color(APHA) 10 max.

Titrable acid 0.0008 meq/g

Butyl ether 0.2%

tert-BUTYLDIMETHYLSILYLACETYLENE, 98% ITEM 3024

Not on the TSCA inventory.

 $(\text{CH}_3)_3\text{CSi}(\text{CH}_3)_2\text{C}\equiv\text{CH}$ F.W. 140.30

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 86318-61-8 DOT 3/II

80220 1 G

80221 10 G

80222 50 G

Specific Gravity 0.751

tert-BUTYL ALCOHOL, REAGENT (ACS) ITEM 2393

2-Methyl-2-propanol

 $(\text{CH}_3)_3\text{COH}$ F.W. 74.12

Assay 99.0% min

Residue after evaporation 0.003%

Carbonyl compounds (as formaldehyde) 0.01%

Water (H₂O) 0.1%

CAS # 75-65-0

DOT 3/II

NFPA # 1-3-0

88141 500 ML

88142 2.5 L

88143 4 L

Specific Gravity 0.800

Color (APHA) 20

Titrable acid 0.001 meq/g

Water (H₂O) 0.1%**tert-BUTYLDIMETHYLSILYL
TRIFLUOROMETHANESULFONATE, 98% ITEM 3025**

Not on the TSCA inventory. Keep refrigerated.

 $(\text{CH}_3)_3\text{CSi}(\text{CH}_3)_2\text{SO}_3\text{CF}_3$ F.W. 264.34

Assay ca. 98%

CAS # 69739-34-0 DOT 3/8/III

80231 5 G

80232 25 G

80233 100 G

Specific Gravity 1.151

n-BUTYLDIETHANOLAMINE, REAGENT ITEM 1598 $\text{C}_8\text{H}_{19}\text{NO}_2$ F.W. 161.25

Identity - Pass Test

Residue - Pass Test

CAS # 102-79-4

DOT 8/II

17952 500 ML

17951 6 X 500 ML

Specific Gravity 0.968

**tert-BUTYLDIPHENYLCHLOROSILANE,
97% ITEM 3026** $(\text{CH}_3)_3\text{CSi}(\text{C}_6\text{H}_5)_2\text{Cl}$ F.W. 274.87

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to brown liquid

CAS # 58479-61-1 DOT 8/II

80243 10 G

80244 50 G

Specific Gravity 1.057

**tert-BUTYLDIMETHYLCHLOROSILANE,
98% ITEM 3023** $(\text{CH}_3)_3\text{CSi}(\text{CH}_3)_2\text{Cl}$ F.W. 150.72

Assay 98% min.

Melting Point 86-89 C

CAS # 18162-48-6 DOT 4.1/8/II NFPA # 3-3-1

80211 10 G

80212 50 G

80213 250 G

Specific Gravity 0.810

**n-BUTYLMAGNESIUM CHLORIDE,
1.3 M in Dibutyl Ether ITEM 5290** $\text{CH}_3(\text{CH}_2)_3\text{MgCl}$ F.W. 116.88Concentration 1.3M min. Magnesium (by ICP) - report
Tetrahydrofuran (by gc) - not detected Diethyl ether (by gc) - not detected

CAS # 693-04-9 DOT 4.3/3/II NFPA # 3-3-2

Please Inquire For Sizing And Pricing

**tert-BUTYL MAGNESIUM CHLORIDE,
1 M, in TETRAHYDROFURAN** **ITEM 3721**

Not on the TSCA inventory

(CH₃)₃C⁺MgCl F.W. 116.88

Concentration 1.0 M ± 0.1 Density - Report

CAS # 677-22-5 DOT 4.3/3/II NFPA # 3-3-3

Please Inquire For Sizing And Pricing

Also available in semi bulk and bulk volumes.

Specific Gravity 0.930

**n-BUTYLMAGNESIUM CHLORIDE,
2M in THF, GRIGNARD** **ITEM 5501**

2 molar in tetrahydrofuran

C₄H₉MgCl F.W. 116.87

Molarity (Active Grignard) 2.0 ± 0.1M Particulate Matter: Free of visible particulates

CAS # 693-04-9 DOT 4.3/3/I

Please Inquire For Sizing And Pricing

Also Available In: 10KG, 50KG, Or Larger As Requested.

Specific Gravity 0.966

4-(tert-BUTYL)PHENYLACETYLENE, 95% ITEM 3028

Not on the TSCA inventory.

(CH₃)₃CC₆H₄C≡CH F.W. 158.24

Assay (GC-FID), 94.0% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 772-38-3 DOT NR

80261 10 G

80262 50 G

80263 250 G

80264 1 KG

Specific Gravity 0.889

BUTYL PHENYL ETHER, 99% ITEM 4912

Butoxybenzene

C₆H₅O(CH₂)₃CH₃ F.W. 150.22

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 1126-79-0 DOT NR

16741 100 G

16742 500 G

Specific Gravity 0.933

1-BUTYNE, 98% **ITEM 3029**

Requires refrigeration. Cylinder deposit; Cylinder pressure 20 psi @ 35 C. Inhibited with 0.001% Hydroquinone & 0.01% BHT.

CH₃CH₂C≡CH F.W. 54.09

Assay (GC-FID), 97.5% min

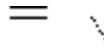
CAS # 107-00-6 DOT 2.1

80271 25 G

80272 100 G

80273 1 KG

Specific Gravity 0.678

**2-BUTYNE, 98%** **ITEM 3030**

Requires refrigeration. Crotonylene

CH₃C≡CCH₃ F.W. 54.09

Assay (GC-FID), 97.5% min Appearance - Clear, colorless liquid

CAS # 503-17-3 DOT 3/I NFPA # 1-4-0

80281 25 G

80282 100 G

Also available in semi bulk and bulk volumes.

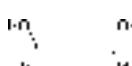
Specific Gravity 0.691

**2-BUTYNE-1,4-DIOL, 98%** **ITEM 3031**HOCH₂C≡CCH₂OH F.W. 86.09

Assay (GC-FID), 97.5% min Melting point 53-58 C

CAS # 110-65-6 DOT 6.1/III

80291 500 G

**2-BUTYNOIC ACID, 98%** **ITEM 3032**

TETROLIC ACID

CH₃C≡CCOOH F.W. 84.07Assay (GC-FID), 97.5% min H₂O (KF), 2% max

CAS # 590-93-2 DOT 8/II

80301 5 G

80302 25 G

80303 100 G



2-BUTYN-1-OL, 98%

Not on the TSCA inventory.

CH₃C≡CCH₂OH F.W. 70.09Assay (GC-FID), 97.5% min
H₂O (KF), 0.5% max

CAS # 764-01-2 DOT 3/III

80311 10 G
80312 50 G
Specific Gravity 0.937**ITEM 3033****2-BUTYNYL ALDEHYDE DIETHYL ACETAL, 98%****ITEM 3037**

Requires refrigeration. Not on the TSCA inventory.

CH₃C≡CCH(OC₂H₅)₂ F.W. 142.20

Assay (GC-FID), 97.5% min

CAS # 2806-97-5 DOT 3/III

80351 10 G
80352 50 G
Specific Gravity 0.899**3-BUTYN-1-OL, 98%****ITEM 3034**HC≡CCH₂CH₂OH F.W. 70.09Assay (GC-FID), 97.5% min
H₂O (KF), 0.5% max

CAS # 927-74-2 DOT 3/III

80323 10 G
80324 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.927

3-BUTYNYLAMINE, 97%**ITEM 9720**

Not on the TSCA inventory.

NH₂CH₂CH₂C≡CH F.W. 69.11Assay (GC-FID), 96.5% min
Identification by GC/MS - Conforms H₂O (KF), 5.0% max
Appearance - Clear, colorless to yellow liquid

CAS # 14044-63-4 DOT 3/6.1/8/II

17611 5 G

(±)-3-BUTYN-2-OL, 98%**ITEM 3035**HC≡CCH(OH)CH₃ F.W. 70.09Assay (GC-FID), 97.5% min
H₂O (KF), 1.0% max

CAS # 2028-63-9 DOT 6.1/3/II NFPA # 3-2-0

80331 25 G
80332 100 G

Specific Gravity 0.894

1-BUTYNYL-1-CYCLOHEXANOL**ITEM 3808**

Not on the TSCA inventory.

CH₃CH₂C≡CC₆H₁₀OH F.W. 152.24

Please Inquire For Sizing And Pricing

3-BUTYN-2-OL, 50%, AQUEOUS SOLUTION**ITEM 3411**HC≡CCH(OH)CH₃ F.W. 70.09

Assay 50 ± 2%

CAS # 2028-63-9 DOT 6.1/3/II NFPA # 3-2-0

89641 250 ML
89642 1 L

Specific Gravity 0.958

1-BUTYNYL-1-CYCLOPENTANOL**ITEM 3809**

Not on the TSCA inventory.

CH₃CH₂C≡CC₅H₈OH F.W. 138.20

CAS # 155879-96-2

Please Inquire For Sizing And Pricing

N-(3-BUTYNYL)PHTHALIMIDE, 95%**ITEM 3440**

Not on the TSCA inventory.

[C₆H₄(CO)₂N]CH₂CH₂C≡CH F.W. 199.21Assay (GC-FID), 94% min
Identification by GC/MS - Conforms
Appearance - White to beige solid

CAS # 14396-90-8 DOT NR

18421 10 G
18422 50 G

2-BUTYNYL-p-TOLUENESULFONATE, 98% ITEM 3038

Requires refrigeration. Not on the TSCA inventory.

 $\text{CH}_3\text{C}\equiv\text{CCH}_2\text{OSO}_2\text{C}_6\text{H}_4\text{CH}_3$ F.W. 224.28

Assay 98% min. Melting point 47-8 C

CAS # 56563-37-2 DOT NR

80361 10 G
80362 50 G

Specific Gravity 1.190

3-BUTYNYL-p-TOLUENESULFONATE, 96% ITEM

Not on the TSCA inventory.

 $\text{HC}\equiv\text{CCH}_2\text{CH}_2\text{OSO}_2\text{C}_6\text{H}_4\text{CH}_3$ F.W. 224.28Assay (GC-FID), 95% min Identification by GC/MS - Conforms
Specific gravity - 1.185 to 1.195

CAS # 23418-85-1 DOT NR

80371 10 G
80372 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 1.190

BUTYRALDEHYDE, 99% ITEM 5394 $\text{CH}_3\text{CH}_2\text{CH}_2\text{CHO}$ F.W. 72.11

Assay 99% min.

CAS # 123-72-8 DOT 3/11

15751 50 ML
15752 500 ML**CALCIUM HYDRIDE, POWDER ITEM 3683**

Efficient drying agent. ca. 95%

 CaH_2 F.W. 42.10

CAS # 7789-78-8 DOT 4.3/I NFPA # 3-3-2

19413 500 G

CARBON, ACTIVATED, DARCO® ACID WASHED, 4-12 MESH ITEM 2634

C F.W. 12.01

CAS # 7440-44-0 DOT NR NFPA # 1-1-0

32621 100 G
32622 500 G
32623 2.5 KG

Also available in semi bulk and bulk volumes.

CARBON, ACTIVATED, DARCO® ACID WASHED, 12-20 MESH**ITEM 2635**

C F.W. 12.01

CAS # 7440-44-0 DOT NR NFPA # 1-1-0

32631 100 G
32632 500 G
32633 2.5 KG

Also available in semi bulk and bulk volumes.

CARBON, ACTIVATED, DARCO® ACID WASHED, 20-40 MESH**ITEM 2636**

C F.W. 12.01

CAS # 7440-44-0 DOT NR NFPA # 1-1-0

32641 100 G
32642 500 G
32643 2.5 KG

Also available in semi bulk and bulk volumes.

CARBON, ACTIVATED, DARCO® KB, WET POWDER**ITEM 2637**Surface area 1500 m²/g; pore volume 1.5 cc/g

C F.W. 12.01

Particle size -100 mesh 98% min. Water 30% max.

CAS # 7440-44-0 DOT 4.2/III

32651 100 G
32652 500 G
32653 2.5 KG**CARBON, ACTIVATED, NORIT® RO 0.8, 0.8 mm EXTRUSION****ITEM 2640**

C F.W. 12.01

CAS # 7440-44-0 DOT NR

32671 500 G
32672 2.5 KG**CARBON DISULFIDE, LOW BENZENE, REAGENT (ACS)****ITEM 1859** CS_2 F.W. 76.13Assay (GLC) 99.9% min
Residue after evaporation 0.002%
Sulfur dioxide - Pass Test
Benzene 0.0001% (1 ppm)
Color (APHA) 10 max
Hydrogen sulfide - Pass Test
Water 0.05%

CAS # 75-15-0 DOT 3/6.1/I NFPA # 3-3-0

19941 500 ML
19942 6 X 500 ML
Specific Gravity 1.260

CARBON DISULFIDE, REAGENT (ACS) ITEM 884CS₂ F.W. 76.13Assay 99.9% min
Residue after evaporation 0.002%
Sulfur dioxide - Pass TestColor (APHA) 10 max
Hydrogen sulfide - Pass Test
Water 0.05%

CAS # 75-15-0 DOT 3/6.1/I NFPA # 3-3-0

19931 500 ML
19932 6 X 500 ML
Specific Gravity 1.260**CATECHOL, 99% ITEM 2727**

1,2-Dihydroxybenzene

C₆H₄(OH)₂ F.W. 110.11

Assay (GC-FID), 98.5% min

CAS # 120-80-9 DOT 6.1/III NFPA # 2-1-0

19951 100 G
19952 500 G
19953 2.5 KG**CHLORIDE COLOR REAGENT, MERCURIC THIOCYANATE 0.06% SOLUTION ITEM 1991**Ready to use solution. Contains mercuric thiocyanate and ferric nitrate.
Suitability for chloride determination -

Pass Test Sensitivity to chloride - Pass Test

CAS # 592-85-8 DOT NR

50041 4L
Specific Gravity 1.000**4-CHLORO-1-BUTYNE ITEM 5535**

Not on the TSCA inventory.

HC≡CCH₂CH₂Cl F.W. 88.54

CAS # 51908-64-6 DOT 3/II

Please Inquire For Sizing And Pricing
Specific Gravity 0.995**1-CHLORO-5-DECYNE, 98% ITEM 3432**CH₃(CH₂)₃C≡C(CH₂)₄Cl F.W. 172.70Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 54377-34-3 DOT NR

30052 25 G
30053 100 G**7-CHLORO-1-HEPTENE, 97% ITEM 5300**

Not on the TSCA inventory.

CH₂=CH(CH₂)₅Cl F.W. 132.63Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 929-21-5 DOT 3/III

14961 1 G
14962 5 G
Specific Gravity 0.880**7-CHLORO-1-HEPTYNE, 98% ITEM 5543**HC≡C(CH₂)₅Cl F.W. 130.61

Assay (GC-FID) 97.5% min

CAS # 18804-36-9

Please Inquire For Sizing And Pricing
Specific Gravity 0.938**6-CHLORO-1-HEXENE, 97% ITEM 3045**Cl(CH₂)₄CH=CH₂ F.W. 118.61Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 928-89-2 DOT 3/II

80431 10 G
80432 50 G
Specific Gravity 0.907**6-CHLORO-1-HEXYNE, 97% ITEM 3046**

Not on the TSCA inventory.

Cl(CH₂)₄C≡CH F.W. 116.59Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 10297-06-0 DOT 3/III

80441 10 G
80442 50 G
80444 1 KGAlso available in semi bulk and bulk volumes.
Specific Gravity 0.968

3-CHLORO-3-METHYL-1-BUTYNE, 97% ITEM 3048

Requires refrigeration. 2.5% Potassium Carbonate used to stabilize



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
 Stabilizer (K₂CO₃), Confirm presence H₂O (KF), 0.05% max
 Appearance - Clear, colorless to yellow liquid

CAS # 1111-97-3 DOT 3/II

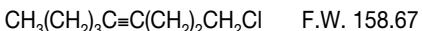
80461 10 G
 80462 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.907

**1-CHLORO-4-NONYNE, 98% ITEM 3052**

Not on the TSCA inventory.

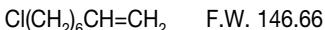


Assay 98% min.

CAS # 3416-74-8 DOT 9/III

80501 5 G
 80502 25 G

Specific Gravity 0.917

**8-CHLORO-1-OCTENE, 97% ITEM 5344**

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
 Appearance - Clear, colorless to yellow liquid

CAS # 871-90-9

Please Inquire For Sizing And Pricing

Specific Gravity 0.860

**1-CHLORO-2-PENTYNE, 98% ITEM 3408**

Assay (GC-FID), 97.5% min

CAS # 22592-15-0

**5-CHLORO-1-PENTYNE, 98% ITEM 3053**

Requires refrigeration.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
 Appearance - Clear, colorless to yellow liquid

CAS # 14267-92-6 DOT 3/II

80511 10 G
 80512 50 G
 80513 250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.968

**5-CHLORO-1,10-PHENANTHROLINE, 98% ITEM 285**

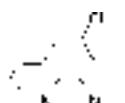
Reagent for colorimetry.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 4199-89-7 DOT NR

21901 1 G
 21902 5 G
 21903 10 G

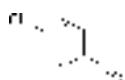
**4-CHLOROPHENYLACETYLENE ITEM 5259**

Not on the TSCA inventory.

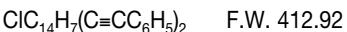


CAS # 873-73-4

Please Inquire For Sizing And Pricing

**1-CHLORO-9,10-bis-(PHENYLETHYNYL) ANTHRACENE, 98% ITEM 3040**

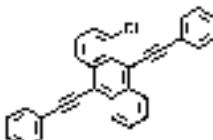
Light sensitive, protect from light.



Assay 98% min. Melting point 204-205 C

CAS # 41105-35-5 DOT NR

80381 10 G
 80382 50 G



**4-CHLOROPHENYLMAGNESIUM BROMIDE,
1 M, in DIETHYL ETHER** **ITEM 5200**

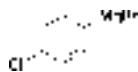
Not on the TSCA inventory

CIC₆H₄MgBr F.W. 215.76

Concentration 1.00 ± 0.05 M

CAS # 873-77-8 DOT 4.3/3/I

Please Inquire For Sizing And Pricing
Specific Gravity 0.887



**4-CHLOROPHENYLMAGNESIUM BROMIDE,
1 M, in TETRAHYDROFURAN** **ITEM 5265**

CIC₆H₄MgBr F.W. 215.76

Concentration 1.0 ± 0.1 M 4,4'-dichlorobiphenyl - report
Des-chloro - report

CAS # 873-77-8 DOT 4.3/3/I NFPA # 3-3-3

Please Inquire For Sizing And Pricing

CHLOROTRIETHYLSILANE, 98+% **ITEM 3323**

Triethylchlorosilane.

(C₂H₅)₃SiCl F.W. 150.72

Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 994-30-9 DOT 8/3/II NFPA # 3-3-2

83173 5 G
83171 25 G
83172 100 G
Specific Gravity 0.896



**1-CHLORO-5-TRIETHYLSILYL-4-PENTYNE,
97%** **ITEM 3055**

Not on the TSCA inventory.

(C₂H₅)₃SiC≡CCH₂CH₂CH₂Cl F.W. 216.83

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
CAS # 174125-30-5 DOT 8/II

80531 5 G
80532 25 G



CHLOROTRIISOPROPYLSILANE, 98% **ITEM 3335**

Triisopropylchlorosilane. Not on the TSCA inventory.

[(CH₃)₂CH]₃SiCl F.W. 192.81

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 13154-24-0 DOT 8/II NFPA # 3-2-1

83291 25 G
83292 100 G
83294 500 G

Specific Gravity 0.901



CHLOROTRIMETHYLSILANE, 98+% **ITEM 3380**

Trimethylchlorosilane.

(CH₃)₃SiCl F.W. 108.64

Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms

CAS # 75-77-4 DOT 3/8/II NFPA # 3-3-1

83741 100 ML
83742 500 ML

Specific Gravity 0.860



**6-CHLORO-1-TRIMETHYLSILYLOXYHEXANE,
97%** **ITEM 3056**

Not on the TSCA inventory.

Cl(CH₂)₆OSi(CH₃)₃ F.W. 208.80

Assay 97% min.

CAS # 34714-00-6

80541 5 G
80542 25 G
Specific Gravity 0.929



**1-CHLORO-5-(TRIMETHYLSILYL)-4-PENTYNE,
98%** **ITEM 3057**

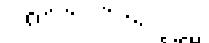
Not on the TSCA inventory.

(CH₃)₃SiC≡C(CH₂)₃Cl F.W. 174.75

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 77113-48-5 DOT 8/II

80551 10 G
80552 50 G
Specific Gravity 0.895



11-CHLORO-1-UNDECENE, 97%

Not on the TSCA inventory.

 $\text{Cl}(\text{CH}_2)_9\text{CH}=\text{CH}_2$ F.W. 188.74Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 872-17-3 DOT 9/III

80561 10 G
80562 50 G
Specific Gravity 0.995

Cl

CIS-2-BUTEN-1-OL, 96%

19:1 CIS:TRANS

 $\text{C}_4\text{H}_8\text{O}$ F.W. 72.11Assay (GC-FID Cis/Trans total), 95.0% min Cis:Trans 95:5 min ratio
Appearance - Clear, colorless to yellow liquid

CAS # 4088-60-2 DOT 3/III

Please Inquire For Sizing And Pricing

**CUPROUS TRIFLUOROMETHANESULFONATE
TOLUENE COMPLEX** ITEM 3525

Not on the TSCA inventory

 $(\text{CF}_3\text{SO}_3\text{Cu})_2 \bullet \text{C}_6\text{H}_5\text{CH}_3$ F.W. 517.36

CAS # 48209-28-5 DOT 4.1/II

32211 1 G
32212 5 G**2-CYANOPYRIDINE, 99%**

2-Pyridinecarbonitrile

 $\text{C}_5\text{H}_4\text{NCN}$ F.W. 104.11

Assay (GC-FID), 98.5% min Appearance - White to brown/red solid

CAS # 100-70-9 DOT NR

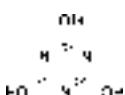
32231 100 G
32232 500 G
Specific Gravity 1.081**CYANURIC ACID, 98%**

Convenient lab source for HCN gas.

 $\text{C}_3\text{N}_3(\text{OH})_3$ F.W. 129.08

Assay (Acid/base titration), 97.5% - 102.5% Appearance - White to off-white solid

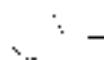
CAS # 108-80-5 DOT 8/II

32251 100 G
32252 500 G**ITEM 3058****CYCLOHEPTYLACETYLENE****ITEM 3815**

Not on the TSCA inventory.

 $\text{C}_7\text{H}_{13}\text{C}\equiv\text{CH}$ F.W. 122.19

Please Inquire For Sizing And Pricing

**1,4-CYCLOHEXADIENE, 97%****ITEM 3389**

Stabilized with BHT 0.1%

 C_6H_8 F.W. 80.13Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Stabilizer (BHT), Confirm presence Appearance - Clear, colorless liquid

CAS # 628-41-1 DOT 3/II

32321 25 G
32322 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.847

**CYCLOHEXANE, REAGENT (ACS)****ITEM 907** C_6H_{12} F.W. 84.16Assay (GLC) 99.0% min Appearance Clear
Color (APHA) 10 max Residue after evaporation 0.002%
Substances darkened by H_2SO_4 - Pass Test Water 0.02%

CAS # 110-82-7 DOT 3/II NFPA # 1-3-0

32291 500 ML
32294 6 X 500 ML
32292 4 L
32293 4 X 4 L

Specific Gravity 0.778

**CYCLOHEXANE/ISOPROPYL ALCOHOL,
AZEOTROPIC SOLUTION** ITEM 2197Identity by GC Pass test Boiling point 69.4 deg C ± 0.1 C
Specific gravity 0.778 ± 0.005 Residue after evaporation 0.001% max.

DOT 3/II NFPA # 1-3-0

32276 2.5 L
32277 6 X 2.5 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.778

1,4-CYCLOHEXANEDIONE, 98%**ITEM 5299** $C_6H_8O_2$ F.W. 112.13

Assay 98%

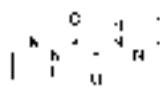
CAS # 637-88-7 DOT NR

14981 25 G
14982 100 G**CYCLOHEXANOL, 99%****ITEM 5321** $C_6H_{12}O$ F.W. 100.16Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
CAS # 108-93-0 NFPA # 1-2-0Please Inquire For Sizing And Pricing
Specific Gravity 0.962**bis-CYCLOHEXANONE****OXALDIHYDRAZONE, 98%****ITEM 117**

Cuprizone. Super sensitive reagent for the spectrophotometric determination of copper(II).

 $C_6H_{10}=\text{NNHC(O)C(O)NHN=C}_6H_{10}$ F.W. 278.36
Assay (Nonaqueous titration), 97.5%-102.5% Sensitivity to Copper - Pass test
Suitability as indicator - Pass test Appearance - White to off-white solid/crystal

CAS # 370-81-0 DOT NR

16202 25 G
16203 100 G
16206 500 G**CYCLOHEXENE, 99%****ITEM 4643** C_6H_{10} F.W. 82.15

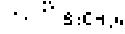
Assay 98.5% min.

CAS # 110-83-8 DOT 3/II

Please Inquire For Sizing And Pricing
Specific Gravity 0.811**1-CYCLOHEXYNYLOXYTRIMETHYLSILANE,****ITEM 3064** $(CH_3)_3SiOC_6H_9$ F.W. 170.33

Assay 98% min.

CAS # 6651-36-1

80621 10 G
80622 50 G
Specific Gravity 0.875**CYCLOHEXYLACETYLENE, 95%****ITEM 3441**

Not on the TSCA inventory.

 $C_6H_{11}C\equiv CH$ F.W. 108.18Assay (GC-FID), 94% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 931-48-6 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.840

CYCLOHEXYLAMINE, 99%**ITEM 4534** $C_6H_{11}NH_2$ F.W. 99.18

Assay 99%

CAS # 108-91-8 DOT 8/3/II

15771 100 ML
15772 500 ML
15773 2 L

Specific Gravity 0.867

**CYCLOHEXYL MAGNESIUM CHLORIDE,
1M in THF****ITEM 5494**

1M Grignard in THF

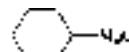
 $C_6H_{11}MgCl$ F.W. 142.92

Active Concentration, 1.0 M min Density (g/ml), Report

CAS # 931-51-1 NFPA # 3-3-3

Please Inquire For Sizing And Pricing

Specific Gravity 0.937



3-CYCLOHEXYL-1-PROPENE, 97%**ITEM 5194**

Not on the TSCA inventory

 $C_6H_{11}CH_2CH=CH_2$ F.W. 124.23Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2114-42-3 DOT 3/II

10811 1 G
10812 5 G
10813 25 G**1-CYCLOHEXYL-1-PROPYNE****ITEM 3819**

Not on the TSCA inventory.

 $C_6H_{11}C\equiv CCH_3$ F.W. 122.21

CAS # 18736-95-3 DOT 3/III

Please Inquire For Sizing And Pricing
Specific Gravity 0.881**3-CYCLOHEXYL-1-PROPYNE, 97%****ITEM 3066**

Not on the TSCA inventory.

 $C_6H_{11}CH_2C\equiv CH$ F.W. 122.21Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 17715-00-3 DOT 9/III

80641 5 G
80642 25 G
Specific Gravity 0.845**1,5-CYCLOOCTADIENE, 98+%****ITEM 5397** C_8H_{12} F.W. 108.18Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 111-78-4 DOT 3/III

15781 100 ML
15782 500 ML
Specific Gravity 1.000**CYCLOPENTANE, TECHNICAL****ITEM 3561**

Purity greater than 75% cyclopentane: 98+% cyclopentane and saturated C5 hydrocarbons

 C_5H_{10} F.W. 70.14

Assay (GC-FID), 75.0% min Appearance - Clear, colorless liquid

CAS # 287-92-3 DOT 3/II NFPA # 1-3-0

32531 1 L
32532 6 X 1 L
32533 4 L
32534 4 X 4 L

Specific Gravity 0.745

CYCLOPENTYLACETYLENE, 96%**ITEM 5319**

Not on the TSCA inventory.

 $C_5H_9C\equiv CH$ F.W. 94.16Assay (GC-FID), 95.0% min Inhibitor (BHT), Confirm presence
Identification by GC/MS - Conforms Appearance - Clear, colorless to yellow liquid

CAS # 930-51-8 DOT 3/III

Please Inquire For Sizing And Pricing
Specific Gravity 0.650**CYCLOPENTYLACETYLENE, 90+%****ITEM 3442**

Not on the TSCA inventory.

 $C_5H_9C\equiv CH$ F.W. 94.16Assay (GC-FID), 90.0% min Inhibitor (BHT), Confirm presence
Identification by GC/MS - Conforms Appearance - Clear, colorless to yellow liquid

CAS # 930-51-8 DOT 3/III

32540 5 G
32541 25 G
32542 100 G
Specific Gravity 0.650**3-CYCLOPENTYL-1-PROPYNE, 98%****ITEM 3433**

Not on the TSCA inventory.

 $C_5H_9CH_2C\equiv CH$ F.W. 108.18Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 116279-08-4 DOT 3/II

32561 5 G
32562 25 G
32563 100 G
32564 500 G
Specific Gravity 0.827

CYCLOPROPYL ACETYLENE, 98%**ITEM 3397**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 6746-94-7 DOT 3/II

89551	10 G
89552	50 G
89553	250 G
89554	1.5 KG

Specific Gravity 0.780

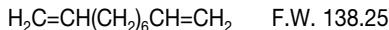
**CYCLOPROPYLMAGNESIUM BROMIDE,
0.75 M, in TETRAHYDROFURAN****ITEM 5264**

Concentration 0.75 ± 0.10 M Density - report

CAS # 23719-80-4 DOT 4.3/3/I NFPA # 3-3-3

Please Inquire For Sizing And Pricing

Specific Gravity 0.960

1,9-DECADIENE, 98%**ITEM 3443**

Assay (GC-FID), 97.5% min

CAS # 1647-16-1

33131	10 G
33132	50 G

Specific Gravity 0.750

**1,4-DECADIENE, 99%, 50%
SOLUTION in n-HEXANE****ITEM 3070**

Not on the TSCA inventory.

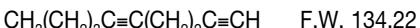


Assay 50% min. Assay (less hexanes) 99% min.

CAS # 929-53-3 DOT 3/II

80681	10 G
80682	50 G

Specific Gravity 0.822

1,5-DECADIYNE, 96%**ITEM 3071**

Assay 96% min.

CAS # 53963-03-4 DOT 9/III

Please Inquire For Sizing And Pricing

80691 10 G

1,9-DECADIYNE, 97%**ITEM 3072**

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 1720-38-3 DOT 9/III

80701 10 G

80702 50 G

Specific Gravity 0.816

2,8-DECADIYNE**ITEM 3822**

Not on the TSCA inventory.

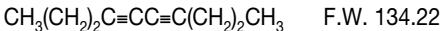


CAS # 4116-93-2

Please Inquire For Sizing And Pricing

4,6-DECADIYNE**ITEM 3823**

Not on the TSCA inventory.



CAS # 16387-71-6 DOT NR

Please Inquire For Sizing And Pricing

4,6-DECADIYN-1,10-DIOL, 97%

Requires refrigeration. Not on the TSCA inventory.

 $\text{HO}(\text{CH}_2)_3\text{C}\equiv\text{C}(\text{CH}_2)_3\text{OH}$ F.W. 166.21

Assay (GC-FID), 96.5% min

Identification by GC/MS - Conforms

Appearance -

Off-white to dark blue solid

Insolubles / Polymer, 1.5% max

CAS # 70283-74-8

DOT NR

80671

5 G

80672

25 G

10
.....
101

DECAHYDRONAPHTHALENE, 98%**ITEM 3516**

Mixture of cis and trans isomers

 $\text{C}_{10}\text{H}_{18}$ F.W. 138.25Assay (GC-FID, Total of cis/trans),
97.5% min

Appearance - Clear, colorless liquid

CAS # 91-17-8

DOT 3/III

33121 1 L

33123 4 L

Specific Gravity 0.898

.....
10
.....
101

trans-DECAHYDRONAPHTHALENE, 99% ITEM 3486 $\text{C}_{10}\text{H}_{18}$ F.W. 138.25

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 493-02-7

DOT 3/III

Please Inquire For Sizing And Pricing

Specific Gravity 0.870

.....
10
.....
101

1,10-DECANEDIOL, 98%**ITEM 3824** $\text{HO}(\text{CH}_2)_{10}\text{OH}$ F.W. 174.28

Assay (GC-FID), 97.5% min

Identification by GC/MS - Conforms

Melting point, Report range

Appearance - White flakes/powder

CAS # 112-47-0

DOT NR

16813

1 KG

10
.....
101

cis-5-DECENE, 96%**ITEM 3457**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_3\text{CH}_3$ F.W. 140.27

Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 7433-78-5 DOT 3/III

33111 5 G

33112 25 G

Specific Gravity 0.745

.....
101

trans-5-DECENE, 97%**ITEM 3073**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_3\text{CH}_3$ F.W. 140.27

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 7433-56-9 DOT 3/III

80711 5 G

80712 25 G

Specific Gravity 0.740

.....
101

trans-5-DECEN-1-OL, 96%**ITEM 3074** $\text{CH}_3(\text{CH}_2)_{2/3}\text{CH}=\text{CH}(\text{CH}_2)_{2/4}\text{OH}$ F.W. 156.26

Assay 96% min.

CAS # 56578-18-8 DOT 3/III

80721 1 G

80722 5 G

.....
101

1-DECYNE, 98%**ITEM 3075** $\text{CH}_3(\text{CH}_2)_7\text{C}\equiv\text{CH}$ F.W. 138.25

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 764-93-2 DOT 3/III

80731 25 G

80732 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.765

.....
101

2-DECYNE, 96%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_6\text{C}\equiv\text{CCH}_3$ F.W. 138.25Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2384-70-5 DOT 3/III

80741 5 G
80742 25 G
Specific Gravity 0.760**ITEM 3076****3-DECYNE, 98%**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{C}(\text{CH}_2)_5\text{CH}_3$ F.W. 138.25

Assay 98%

CAS # 2384-85-2

Please Inquire For Sizing And Pricing

4-DECYNE, 98%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_2\text{C}\equiv\text{C}(\text{CH}_2)_4\text{CH}_3$ F.W. 138.25

Assay 98%

CAS # 2384-86-3

Please Inquire For Sizing And Pricing

5-DECYNE, 98%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{C}(\text{CH}_2)_3\text{CH}_3$ F.W. 138.25

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 1942-46-7 DOT 3/III

80751 25 G
80752 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.769

2-DECYN-1-OL, 97%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_6\text{C}\equiv\text{CCH}_2\text{OH}$ F.W. 154.25Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
 H_2O (KF), 0.5% max

CAS # 4117-14-0 DOT NR

80761 10 G
80762 50 G
Specific Gravity 0.853**ITEM 3078****3-DECYN-1-OL, 98%**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{C}(\text{CH}_2)_2\text{OH}$ F.W. 154.25

Assay 98% min.

CAS # 51721-39-2 DOT 9/III

80771 5 G
80772 25 G
Specific Gravity 0.876**ITEM 3079****5-DECYN-1-OL, 96%****ITEM 3080** $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{C}(\text{CH}_2)_4\text{OH}$ F.W. 154.25

Assay 96% min.

CAS # 68274-97-5 DOT 9/III

80781 5 G
80782 25 G
Specific Gravity 0.877**1,4-DIACETOXY-2-BUTYNE****ITEM 3439** $\text{CH}_3\text{CO}_2\text{CH}_2\text{C}\equiv\text{CCH}_2\text{O}_2\text{CCH}_3$ F.W. 170.16

CAS # 1573-17-7 DOT NR

Please Inquire For Sizing And Pricing

Specific Gravity 1.125

1,3-DIAMINOPROPANE, 99%

Propylenediamine

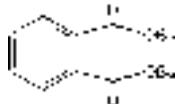
 $\text{H}_2\text{N}(\text{CH}_2)_3\text{NH}_2$ F.W. 74.13Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 109-76-2 DOT 8/6.1/II

15791 100 ML
15792 500 ML
Specific Gravity 0.888**ITEM 4847****ITEM 5400****DIBUTYL PHTHALATE, 99%** $\text{C}_6\text{H}_4(\text{COO}(\text{CH}_2)_3\text{CH}_3)_2$ F.W. 278.34

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 84-74-2 DOT 9/III

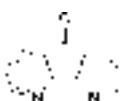
15851 100 ML
15852 500 ML
15853 2 L
Specific Gravity 1.000**4,5-DIAZAFLUOREN-9-ONE****ITEM 502**

Not on the TSCA inventory.

 $\text{C}_{11}\text{H}_6\text{N}_2\text{O}$ F.W. 182.18

Melting point 210-214 C

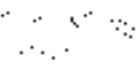
CAS # 50890-67-0 DOT NR

32901 1 G
32902 5 G**3-DIBUTYLAMINO-1-PROPYNE, 98%****ITEM 3082**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{CCH}_2\text{N}(\text{C}_4\text{H}_9)_2$ F.W. 167.30Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 6336-58-9 DOT 9/III

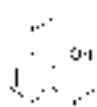
80801 5 G
80802 25 G**2,6-DI-tert-BUTYL-4-METHYLPHENOL,
99%****ITEM 3750**

BHT Preservative

 $[(\text{CH}_3)_3\text{C}]_2\text{C}_6\text{H}_2(\text{CH}_3)\text{OH}$ F.W. 220.36

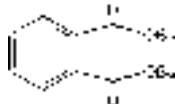
Assay (GC-FID), 98.5% min Appearance - White crystal/solid

CAS # 128-37-0 DOT NR

33161 5 G
33162 25 G
33163 100 G**DIBUTYL PHTHALATE, 99%****ITEM 5400** $\text{C}_6\text{H}_4(\text{COO}(\text{CH}_2)_3\text{CH}_3)_2$ F.W. 278.34

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 84-74-2 DOT 9/III

15851 100 ML
15852 500 ML
15853 2 L
Specific Gravity 1.000**4,4'-DICARBOXY-2,2'-BIQUINOLINE****ITEM 381**

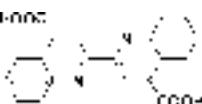
2,2'-Bicinchoninic Acid

 $(\text{HO}_2\text{CC}_9\text{H}_5\text{N})_2$ F.W. 344.33

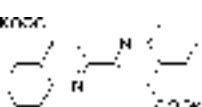
IR/FTIR identity scan Pass Test

CAS # 1245-13-2 DOT NR

33202 10 G

**4,4'-DICARBOXY-2,2'-BIQUINOLINE,
POTASSIUM SALT****ITEM 770** $(\text{KO}_2\text{CC}_9\text{H}_5\text{N})_2$ F.W. 420.51Clarity of solution - Pass test Sensitivity to Copper - Pass test
 H_2O (KF), 9.0% - 14.0%

CAS # 63451-34-3 DOT NR

33222 10 G
33223 100 G
33224 500 G**4,4'-DICARBOXY-2,2'-BIQUINOLINE,
SODIUM SALT****ITEM 769**

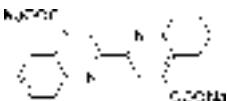
Bicinchoninic acid, disodium salt for BCA assay

 $(\text{NaO}_2\text{CC}_9\text{H}_5\text{N})_2$ F.W. 388.29Suitability for protein determination - Conforms pH of 1% solution - 6.5 to 8.5
Appearance - White to light yellow solid

CAS # 979-88-4 DOT NR

33212 10 G
33213 100 G

Also available in semi bulk and bulk volumes.



**4,4'-DICHLORODIPHENYLACETYLENE,
97%**

Not on the TSCA inventory.

C₁₂H₈C≡CC₆H₄Cl F.W. 247.12Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
CAS # 1820-43-6 DOT NR

Please Inquire For Sizing And Pricing

**cis-1,3-DICHLOROPROPENE, 98%****ITEM 3430**CICH₂CH=CHCl F.W. 110.97Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

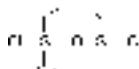
CAS # 10061-01-5 DOT 3/II

33381 5 G
33382 25 G
Specific Gravity 1.220**trans-1,3-DICHLOROPROPENE, 96%****ITEM 3431**CICH₂CH=CHCl F.W. 110.97Assay (GC-FID), 95% min Identification by GC/MS - Conforms
CAS # 10061-02-6 DOT 3/II33391 5 G
33392 25 G
Specific Gravity 1.220**1,3-DICHLOROTETRAISOPROPYLDISILOXANE,
98%****ITEM 3085**

Requires refrigeration. Not on the TSCA inventory.

[(CH₃)₂CH]₂Si(Cl)O(Cl)Si[CH(CH₃)₂]₂ F.W. 315.43Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

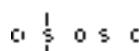
CAS # 69304-37-6 DOT 8/II

80831 5 G
80832 25 G
Specific Gravity 1.001**1,3-DICHLOROTETRAMETHYLDISILOXANE,
97%****ITEM 3086**

Requires refrigeration.

(CH₃)₂Si(Cl)O(Cl)Si(CH₃)₂ F.W. 203.22Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2401-73-2 DOT 3/8/III

80841 10 G
80842 50 G
Specific Gravity 1.039**DIETHANOLAMINE, REAGENT (ACS)****ITEM 910**HN(CH₂CH₂OH)₂ F.W. 105.14Assay 98.5% min. Apparent equivalent wt. 104.0-106.0
Color (APHA) 15 max. Residue after ignition 0.005%
Monoethanolamine 1.0% Triethanolamine 1.0%
Water 0.15%

CAS # 111-42-2 DOT 8/III NFPA # 1-1-2

33701 500 ML
33702 4 L
Specific Gravity 1.070**1-DIETHYLAMINO-2-BUTYNE, 97%****ITEM 3837**

Not on the TSCA inventory.

CH₃C≡CCH₂N(C₂H₅)₂ F.W. 125.22

Assay 97%

CAS # 6323-82-6 DOT 8/3/II

Please Inquire For Sizing And Pricing

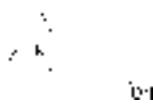
**4-DIETHYLAMINO-2-BUTYN-1-OL, 98%****ITEM 3087**

Not on the TSCA inventory.

(C₂H₅)₂NCH₂C≡CCH₂OH F.W. 141.21

Assay 98%

CAS # 10575-25-4 DOT 9/III

80851 10 G
80852 50 G
Specific Gravity 0.948

2-DIETHYLAMINOETHANOL, 99%(CH₃CH₂)₂NCH₂CH₂OH F.W. 117.19

Assay 99% min.

CAS # 100-37-8 DOT 8/3/II

15961 100 ML
 15962 500 ML
 15963 2 L

1-DIETHYLAMINO-2-PENTYNE, 97%

Not on the TSCA inventory.

CH₃CH₂C≡CCH₂N(C₂H₅)₂ F.W. 139.24

Assay 97%

CAS # 73117-10-9 DOT 8/3/II

3-DIETHYLAMINO-1-PROPYNE, 98%HC≡CCH₂N(C₂H₅)₂ F.W. 111.19

Assay 98% min.

CAS # 4079-68-9 DOT 3/6.1/8/I

80862 5 G
 80861 25 G
 Specific Gravity 0.804

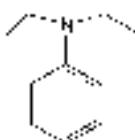
N,N-DIETHYLANILINE, 98%C₆H₅N(CH₂CH₃)₂ F.W. 149.24

Assay (GC-FID), 98.5% min

Identification by GC/MS - Conforms

CAS # 91-66-7 DOT 6.1/III

15921 50 ML
 15922 250 ML
 15923 1 L
 Specific Gravity 0.938

**ITEM 4435****ITEM 4435****DIETHYLCARBONATE, 99%**(CH₃CH₂O)₂CO F.W. 118.13

Assay (GC-FID), 98.5% min

CAS # 105-58-8 DOT 3/III

33761 100 ML
 33762 500 ML
 33763 2 L
 Specific Gravity 0.975

ITEM 2738**ITEM 2738****DIETHYLENE GLYCOL DIETHYL ETHER,
HALOGEN FREE****ITEM 2346**

For use with Organic Halogen Reagent.

(C₂H₅OCH₂CH₂)₂O F.W. 162.23

Halogen 0.1 ppm

CAS # 112-36-7 DOT NR

33781 1 L
 33783 4 L
 33784 4 X 4 L
 Specific Gravity 0.906

**DIETHYLENE GLYCOL DIMETHYL ETHER,
99%****ITEM 4829**(CH₃OCH₂CH₂)₂O F.W. 134.18

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 111-96-6 DOT 3/III

16512 500 ML
 16513 2.5 L
 16514 20 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.937

**DIETHYLENETRIAMINEPENTAACETIC
ACID****ITEM 568**

DTPA

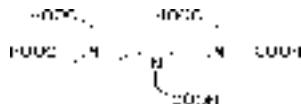
((HOOCCH₂)₂NCH₂CH₂)₂NCH₂COOH F.W. 393.35

Assay 98.0% min

CAS # 67-43-6 DOT NR NFPA # 1-1-0

33805 100 G
 33801 500 G
 33802 2.5 KG

Also available in semi bulk and bulk volumes.



DIETHYL MALONATE, 98%

Malonic acid diethyl ester

Assay (GC-FID), 97.5% min
Appearance - Clear, colorless liquid

CAS # 105-53-3 DOT NR

14911	500 G
14912	2.5 KG
Specific Gravity 1.055	

ITEM 5284**p-DIETHYNYLBENZENE, 98%**

Requires refrigeration. Not on the TSCA inventory.

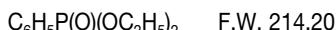
Assay (GC-FID), 97.5% min
Appearance - White to brown solid / crystal

CAS # 935-14-8 DOT NR

83841	5 G
83842	25 G

ITEM 3385**DIETHYLPHENYLPHOSPHONATE, 95% ITEM 3089**

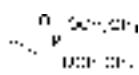
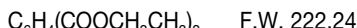
Not on the TSCA inventory.



Assay 95% min.

CAS # 1754-49-0 DOT 9/III

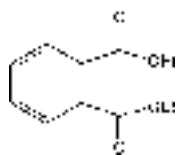
80871	5 G
80872	25 G
Specific Gravity 1.120	

**DIETHYL PHTHALATE, 99% ITEM 5408**

Assay 99% min.

CAS # 84-66-2 DOT NR

15971	100 ML
15972	500 ML
15973	2 L

**m-DIETHYNYLBENZENE, 98% ITEM 3373**

Requires refrigeration. Not on the TSCA inventory.

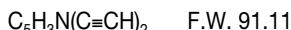
Assay (GC-FID), 97.5% min
Stabilized with BHT - Confirm presence Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 1785-61-1 DOT 3/III

83671	5 G
83672	25 G

Also available in semi bulk and bulk volumes.
Specific Gravity 0.970**2,6-DIETHYNYLPYRIDINE ITEM 5293**

Not on the TSCA inventory.



CAS # 75867-46-8

Please Inquire For Sizing And Pricing

ITEM 5293**4,4'-DIFLUORODIPHENYLACETYLENE, 98% ITEM 5261**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 5216-31-9

Please Inquire For Sizing And Pricing

3,4-DIHYDRO-2H-PYRAN, 97% ITEM 2966Assay (GC-FID), 96.5% min
Appearance - Clear, colorless liquid Identification by GC/MS - Conforms

CAS # 110-87-2 DOT 3/II

89961	100 ML
89962	500 ML
89963	4L
89964	19 L

Also available in semi bulk and bulk volumes.
Specific Gravity 0.927

4,7-DIHYDROXY-1,10-PHENANTHROLINE ITEM 232

Reagent for the colorimetric determination of iron in highly alkaline solutions.

$C_{12}H_6N_2(OH)_2$ F.W. 212.19

Suitability as iron indicator - Pass test

CAS # 3922-40-5 DOT NR

34101 1 G
34102 5 G

**N,N-DIISOPROPYLAMINE, 99% ITEM 4596**

$((CH_3)_2CH)_2NH$ F.W. 101.19

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 108-18-9 DOT 3/8/II

15981 500 ML
15982 2 L
Specific Gravity 0.722

2,2-DIISOPROPYLPROPANENITRILE ITEM 2962

$CH_3C(CH(CH_3)_2)_2CN$ F.W. 139.24

Assay 98.5% min.

Appearance - Clear and free of suspended matter

Refractive Index 1.428 - 1.432

Moisture 0.5%
2-Isopropylpropionitrile 0.6%
Propionitrile 0.5%

NOT on the TSCA Inventory

2-Bromopropane 0.5%

Propylisopropylpropionitrile 0.1%

CAS # 55897-64-8 DOT NR

34121 50 G
34122 250 G
34123 1 KG
Specific Gravity 0.840

**1,4-DIMETHOXY-2-BUTYNE, 98% ITEM 5248**

Not on the TSCA inventory.

$CH_3OCH_2C\equiv CCH_2OCH_3$ F.W. 114.14

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 16356-02-8 DOT 3/III

14381 5 G
14382 25 G
Specific Gravity 0.944

**2,2-DIMETHOXYPROPANE, 98%****ITEM 4733**

$(CH_3)_2C(OCH_3)_2$ F.W. 104.15

Assay 98% min.

CAS # 77-76-9 DOT 3/II

Please Inquire For Sizing And Pricing

**N,N-DIMETHYLACETAMIDE,
DISTILLED IN QUARTZ SOLVENT****ITEM 2322**

DMAC

C_4H_9NO F.W. 87.12

Assay 99.5% min.

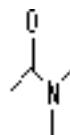
CAS # 127-19-5 DOT NR NFPA # 2-2-1

T 34232 500 ML

T 34231 2 L

T = Teflon® Bottle

Specific Gravity 0.937

**5-DIMETHYLAMINO-2-METHYL-3-PENTYN-2-OL,
98% ITEM 3093**

Not on the TSCA inventory.

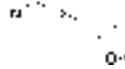
$(CH_3)_2NCH_2C\equiv CC(OH)(CH_3)_2$ F.W. 141.22

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 25400-83-3 DOT NR

80911 25 G

**1-DIMETHYLAMINO-2-PENTYNE, 98% ITEM 3094**

Not on the TSCA inventory.

$CH_3CH_2C\#CCH_2N(CH_3)_2$ F.W. 111.19

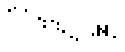
Assay 98% min.

CAS # 7383-77-9 DOT 3/III

80921 25 G

80922 100 G

Specific Gravity 0.812



**4-DIMETHYLAMINOPHENYLACETYLENE,
97% ITEM 5257**

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Off-white to yellow/tan solid

CAS # 17573-94-3 DOT NR

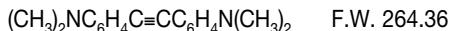
17321

1 G



**bis(4-DIMETHYLAMINOPHENYL)
ACETYLENE ITEM 5260**

Not on the TSCA inventory.

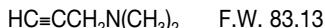


CAS # 62063-67-6 DOT NR

Please Inquire For Sizing And Pricing



3-DIMETHYLAMINO-1-PROPYNE, 98% ITEM 3095



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 1.0% max Appearance - Clear, colorless to yellow liquid

CAS # 7223-38-3 DOT 3/8/II

80931 25 G
80932 100 G

Specific Gravity 0.772



4-DIMETHYLAMINOPYRIDINE, 99% ITEM 2740



Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 1122-58-3 DOT 6.1/II NFPA # 3-1-0

34311 10 G
34312 50 G



**(N,N-DIMETHYLAMINO)TRIMETHYLSILANE,
98+% ITEM 5508**

Material is TSCA listed



Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Hexamethyldisiloxane, 1.0% max Chloride, 50 ppm max
Appearance - Clear, colorless liquid

CAS # 2083-91-2 DOT 3/8/II

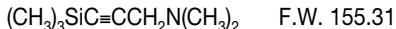
17571 10 G
17572 50 G
17573 250 G
17574 1.5 KG

Also available in semi bulk and bulk volumes.
Specific Gravity 0.741



**1-DIMETHYLAMINO-3-(TRIMETHYLSILYL)-2-
PROPYNE, 98% ITEM 3096**

Not on the TSCA inventory.

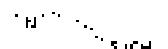


Assay (GC-FID) 97.5% min Identification confirmed by GC-MS

CAS # 56849-88-8 DOT 3/II

80941 10 G
80942 50 G

Specific Gravity 0.774



N,N-DIMETHYLANILINE, 98% ITEM 2741



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 121-69-7 DOT 6.1/II NFPA # 3-2-0

34321 100 ML
34322 1 L

Specific Gravity 0.956



2,6-DIMETHYLBENZOQUINONE, 99% ITEM 3488

Not on the TSCA inventory

 $(\text{CH}_3)_2\text{C}_6\text{H}_2(\text{=O})_2$ F.W. 136.15Assay (GC-FID), 98.5% min Identification by GC/MS- Conforms
Appearance - Yellow to tan solid

CAS # 527-61-7 DOT NR

11061	1 G
11062	5 G
11063	50 G

**4,4'-DIMETHYL-2,2'-BIPYRIDINE, 97% ITEM 127**

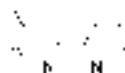
Reagent for colorimetry. Base for oxidation-reduction indicator.

 $(\text{CH}_3\text{C}_5\text{H}_3\text{N})_2$ F.W. 184.23Assay (GC-FID), 96.5% min Melting point, 169-174 C
Identification by GC/MS - Conforms

CAS # 1134-35-6 DOT NR

34402	5 G
34403	10 G
34404	100 G

Also available in semi bulk and bulk volumes.

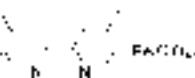
**4,4'-DIMETHYL-2,2'-BIPYRIDINE FERROUS PERCHLORATE ITEM 128**

Oxidation-reduction indicator.

 $((\text{CH}_3)_2\text{C}_{10}\text{H}_6\text{N}_2)_2\text{Fe}(\text{ClO}_4)_2$ F.W. 807.45

CAS # 15740-92-8 DOT 5.1/III NFPA # 1-1-1

34421	1 G
34422	5 G
34423	10 G

**3,3-DIMETHYL-1-BUTANOL, 98% ITEM 3466** $(\text{CH}_3)_3\text{CCH}_2\text{CH}_2\text{OH}$ F.W. 102.18Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 624-95-3 DOT 3/III

11071	10 G
11072	50 G
11073	250 G
11074	2 KG

Specific Gravity 0.844

**3,3-DIMETHYL-1-BUTENE, 95% ITEM 3416**

Neohexene

 $(\text{CH}_3)_3\text{CCH}=\text{CH}_2$ F.W. 84.16Assay (GC-FID), 94.0% min Stabilizer (BHT), Confirm presence
Appearance - Clear, colorless liquid

CAS # 558-37-2 DOT 3/II NFPA # 1-3-0

89691	25 G
89692	100 G

Specific Gravity 0.653

**3,3-DIMETHYL-1-BUTYNE, 97% ITEM 3097**

Not on the TSCA inventory.

 $(\text{CH}_3)_3\text{CC}\# \text{CH}$ F.W. 82.15Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 917-92-0 DOT 3/II

80951	10 G
80952	50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.668

**2,9-DIMETHYL-5-DECYNE, 98% ITEM 3840**

Not on the TSCA inventory.

 $(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$ F.W. 166.31Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 19550-56-2 DOT NR

Please Inquire For Sizing And Pricing
Specific Gravity 0.774**DIMETHYLGLYOXIME, REAGENT (ACS) ITEM 241**

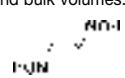
Organic precipitant for nickel and palladium. See also sodium dimethylglyoximate octahydrate.

 $(\text{CH}_3\text{CNOH})_2$ F.W. 116.12Melting point About 240 C Insoluble in Alcohol 0.05%
Residue after ignition 0.05% Suitability for Nickel determination- pass test

CAS # 95-45-4 DOT NR NFPA # 2-1-0

34501	100 G
34502	500 G

Also available in semi bulk and bulk volumes.



2,6-DIMETHYL-6-HEPTEN-4-YN-3-OL ITEM 3842

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}(\text{OH})\text{C}\equiv\text{CC}(\text{CH}_3)=\text{CH}_2$ F.W. 138.21

CAS # 96850-54-3

Please Inquire For Sizing And Pricing

**3,6-DIMETHYL-6-HEPTEN-4-YN-3-OL** ITEM 3843

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)\text{C}\equiv\text{CC}(\text{CH}_3)=\text{CH}_2$ F.W. 138.21

CAS # 3601-67-0

Please Inquire For Sizing And Pricing

**6,6-DIMETHYL-1-HEPTEN-4-YN-3-OL,
98%** ITEM 3841

Not on the TSCA inventory.

 $\text{H}_2\text{C}=\text{CHCH}(\text{OH})\text{C}\equiv\text{CC}(\text{CH}_3)_3$ F.W. 138.21Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 78629-20-6

Specific Gravity 0.900

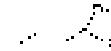
**3,6-DIMETHYL-1-HEPTYN-3-OL** ITEM 3844

Not on the TSCA inventory.

 $\text{HC}\equiv\text{CC}(\text{CH}_3)(\text{OH})(\text{CH}_2)_2\text{CH}(\text{CH}_3)_2$ F.W. 140.23

CAS # 19549-98-5

Please Inquire For Sizing And Pricing

**2,5-DIMETHYL-2,4-HEXADIENE, 95%** ITEM 3845 $(\text{CH}_3)_2\text{C}=\text{CHCH}=\text{C}(\text{CH}_3)_2$ F.W. 110.20

Assay (GC-FID), 95% min Identification by GC/MS - Conforms

CAS # 764-13-6 DOT 3/III NFPA # 1-3-0

Specific Gravity 0.773

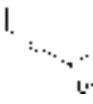
**2,5-DIMETHYL-5-HEXEN-3-YN-2-OL** ITEM 3846

Not on the TSCA inventory.

 $\text{CH}_2=\text{C}(\text{CH}_3)\text{C}\equiv\text{CC}(\text{OH})(\text{CH}_3)_2$ F.W. 124.18

CAS # 2696-26-6

Please Inquire For Sizing And Pricing

**2,5-DIMETHYL-3-HEXYN-2,5-DIOL, 98%** ITEM 3098 $(\text{CH}_3)_2\text{C}(\text{OH})\text{C}\equiv\text{CC}(\text{OH})(\text{CH}_3)_2$ F.W. 142.20

Assay 98% min. Melting Point 90-94 C

CAS # 142-30-3 DOT NR

80961 100 G
80962 500 G**2,2-DIMETHYL-3-HEXYNE** ITEM 3847

Not on the TSCA inventory.

 $(\text{CH}_3)_3\text{CC}\equiv\text{CCH}_2\text{CH}_3$ F.W. 110.20

CAS # 4911-60-8

Please Inquire For Sizing And Pricing

**5,5-DIMETHYL-1-HEXYNE** ITEM 3848

Not on the TSCA inventory.

 $(\text{CH}_3)_3\text{C}(\text{CH}_2)_2\text{C}\equiv\text{CH}$ F.W. 110.20

Please Inquire For Sizing And Pricing

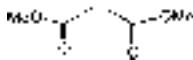


DIMETHYLMALONATE, 98%**ITEM 5506** $C_5H_8O_4$ F.W. 132.11Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 108-59-8 DOT NR

17031 500 G
17032 2.5 KG

Specific Gravity 1.160

**2,7-DIMETHYL-3,5-OCTADIYN-2,7-DIOL, 96%****ITEM 3100**

Requires refrigeration. Not on the TSCA inventory.

[-C≡CC(CH₃)₂OH]₂ F.W. 166.22Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
Appearance - White powder/crystal

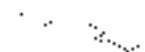
CAS # 5929-72-6 DOT 9/III

80981 5 G
80982 25 G**2,7-DIMETHYL-1-OCTEN-3-YNE****ITEM 3849**

Not on the TSCA inventory.

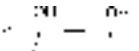
(CH₃)₂CH(CH₂)₂C≡CC(CH₃)=CH₂ F.W. 136.24

Please Inquire For Sizing And Pricing

**3,6-DIMETHYL-4-OCTYN-3,6-DIOL, 98% ITEM 5254** $CH_3CH_2C(CH_3)OHC\equiv CC(CH_3)OHCH_2CH_3$ F.W. 170.25Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 78-66-0 DOT NR

Please Inquire For Sizing And Pricing

**4,4-DIMETHYL-2-PENTYNE, 98%****ITEM 3410**

Not on the TSCA inventory.

 $(CH_3)_3CC\equiv CCH_3$ F.W. 96.18

Assay (GC-FID), 97.5% min

CAS # 999-78-0 DOT 3/II

83721 5 G
83722 25 G

Specific Gravity 0.718

**3,4-DIMETHYL-1-PENTYN-3-OL****ITEM 3851**

Not on the TSCA inventory.

 $HC\equiv CC(OH)(CH_3)CH(CH_3)_2$ F.W. 112.17

CAS # 1482-15-1

Please Inquire For Sizing And Pricing

**2,9-DIMETHYL-1,10-PHENANTHROLINE, REAGENT (ACS)****ITEM 154**

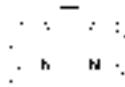
Neocuproine. Reagent for the colorimetric determination of copper.

 $(CH_3)_2C_{12}H_6N_2$ F.W. 208.25Melting point 159-160 C Clarity of solution - Pass test
Sensitivity to copper - Pass test Loss on drying @ 100 C - 6.0% max.

CAS # 484-11-7 DOT NR NFPA # 2-1-1

34601 1 G
34602 5 G
34604 25 G

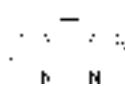
Also available in semi bulk and bulk volumes.

**4,7-DIMETHYL-1,10-PHENANTHROLINE, 98%, ANHYDROUS****ITEM 2463**

Reagent for colorimetric and gravimetric determination of iron. Base for oxidation-reduction indicator.

 $(CH_3)_2C_{12}H_6N_2$ F.W. 208.26Assay (Non-aqueous titration), 97.5% - 102.5% Suitability as indicator - Pass Test
Loss on drying, 1.0% max Appearance - Yellow to brown solid/powder

CAS # 3248-05-3 DOT NR

34721 1 G
34722 5 G
34723 10 G

**4,7-DIMETHYL-1,10-PHENANTHROLINE,
MONOHYDRATE** **ITEM 132**

Reagent for colorimetric and gravimetric determination of iron. Base for oxidation-reduction indicator.

$(\text{CH}_3)_2\text{C}_{12}\text{H}_6\text{N}_2 \cdot \text{H}_2\text{O}$ F.W. 226.27

Melting point 194-196 C

Suitability as an indicator - Pass Test

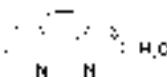
CAS # 3248-05-3

DOT NR

34701 1 G

34702 5 G

34703 10 G

**3,4-DIMETHYL PYRIDINE, 97%** **ITEM 4645**

$(\text{CH}_3)_2\text{C}_5\text{H}_3\text{N}$ F.W. 107.16

CAS # 583-58-4

Please Inquire For Sizing And Pricing

Specific Gravity 0.955

2,5-DIMETHYL PYRROLE, 98% **ITEM 5538**

Not on the TSCA inventory.

$\text{C}_6\text{H}_9\text{N}$ F.W. 95.14

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 625-84-3 DOT 3/6.1/III

Specific Gravity 0.935

**4,4'-DINONYL-2,2'-BIPYRIDINE, 98%** **ITEM 5522**

Not on the TSCA inventory.

$\text{C}_{28}\text{H}_{44}\text{N}_2$ F.W. 408.66

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to off-white powder/crystal

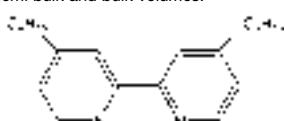
CAS # 142646-58-0 DOT NR

17261 5 G

17262 25 G

17263 100 G

Also available in semi bulk and bulk volumes.

**1,6-DIPHENOXY-2,4-HEXADIYNE, 98%** **ITEM 3101**

Not on the TSCA inventory.

$\text{C}_6\text{H}_5\text{OCH}_2\text{C}\equiv\text{CC}\equiv\text{CCH}_2\text{OC}_6\text{H}_5$ F.W. 262.29

Assay (HPLC - Area % at 254 nm), 97.5% min Appearance - White to orange crystal/powder

CAS # 30980-37-1 DOT 4.1/II

80991 10 G

80992 50 G

DIPHENYLACETAMIDE **ITEM 507**

Acetyl diphenylamine

$(\text{C}_6\text{H}_5)_2\text{NCOCH}_3$ F.W. 211.27

M.p. 100-102 C

CAS # 519-87-9 DOT NR

35001 100 G

35002 500 G

DIPHENYLACETYLENE, 98% **ITEM 3102**

$\text{C}_6\text{H}_5\text{C}\equiv\text{CC}_6\text{H}_5$ F.W. 178.23

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to yellow crystal/solid

CAS # 501-65-5 DOT NR

81003 5 G

81001 25 G

81002 100 G

Specific Gravity 0.990

**DIPHENYLAMINE, REAGENT (ACS)** **ITEM 133**

N-Phenylbenzeneamine. Oxidation-reduction indicator.

$(\text{C}_6\text{H}_5)_2\text{NH}$ F.W. 169.22

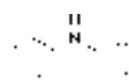
Solubility in alcohol - Pass Test Residue after ignition 0.03%
Nitrate - Pass Test Sensitivity to nitrate - Pass Test
M.p. 52.5-54.0 C

CAS # 122-39-4 DOT NR NFPA # 1-1-1

35101 100 G

35102 500 G

Also available in semi bulk and bulk volumes.



4,4'-DIPHENYL-2,2'-BIPYRIDINE**ITEM 283**

Reagent for the colorimetric determination of iron. Schilt and Smith, Anal.Chim.Acta., 16,401 (1957)

$C_{22}H_{16}N_2$ F.W. 308.36

Assay >90% Sensitivity to iron - Pass Test
Melting point 188-189 C

CAS # 6153-92-0 DOT NR

35301 1 G
35302 5 G

**1,4-DIPHENYLBUTADIYNE, 98%****ITEM 3104**

$C_6H_5C\equiv CC=C_6H_5$ F.W. 202.26

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to off-white crystals / solid

CAS # 886-66-8 DOT 9/III

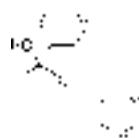
81021 10 G
81022 50 G

**2,4-DIPHENYL-3-BUTYN-2-OL****ITEM 3853**

Not on the TSCA inventory.

$CH_3C(OH)(C_6H_5)C\equiv C(C_6H_5)$ F.W. 222.29

Please Inquire For Sizing And Pricing

**s-DIPHENYLCARBAZONE, REAGENT (ACS) ITEM 822**

Reagent for mercury determination.

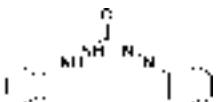
$C_{26}H_{26}N_8O_2$ F.W. 482.55

Solubility in acetone - Pass Test Sensitivity to mercury - Pass Test
Residue after ignition 0.1%

CAS # 538-62-5 DOT NR NFPA # 2-1-1

35402 25 G
35403 100 G

Also available in semi bulk and bulk volumes.

**1,5-DIPHENYLCARBOHYDRAZIDE, REAGENT (ACS)****ITEM 823**

sym-Diphenylcarbazide

$C_{13}H_{14}N_4O$ F.W. 242.29

Residue after ignition 0.05% Sensitivity to chromate - Pass Test
M.p. 173-176 C Solubility in aqueous acetone - Pass Test

CAS # 140-22-7 DOT NR NFPA # 1-1-1

35422 25 G
35423 100 G

Also available in semi bulk and bulk volumes.

**DIPHENYLGUANIDINE, REAGENT****ITEM 10**

White powder

$(C_6H_5NH)_2C=NH$ F.W. 211.26

Assay 99.5% min Melting Point 148-152 C

CAS # 102-06-7 DOT NR

35490 100 G
35491 500 G

**1,1-DIPHENYLHEPTANE, 97%****ITEM 3105**

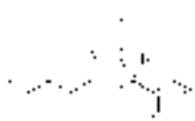
Not on the TSCA inventory.

$CH_3(CH_2)_5CH(C_6H_5)_2$ F.W. 253.39

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 1530-05-8 DOT 9/III

81031 10 G
81032 50 G

**1,1-DIPHENYLHEXANE, 98%****ITEM 3106**

Not on the TSCA inventory.

$CH_3(CH_2)_4CH(C_6H_5)_2$ F.W. 238.20

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 1530-04-7 DOT 9/III

81041 10 G
81042 50 G



DIPHENYLMETHANE, 98%**ITEM 3107** $\text{CH}_2(\text{C}_6\text{H}_5)_2$ F.W. 168.24

Assay 98%

Index of refraction 1.5770

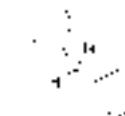
CAS # 101-81-5

DOT 9/III

81051 100 G
81052 500 G

Specific Gravity 1.010

Melting point 22-24 C

**1,1-DIPHENYL PENTANE, 97%****ITEM 3108**

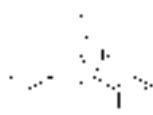
Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_6\text{H}_5)_2$ F.W. 224.35

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 1726-12-1

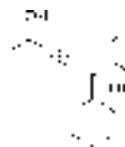
DOT 9/III

81061 10 G
81062 50 G**1,1-DIPHENYL-2-PENTYN-1,4-DIOL****ITEM 3852**

Not on the TSCA inventory.

 $(\text{C}_6\text{H}_5)_2\text{C}(\text{OH})\text{C}\equiv\text{CCH}(\text{OH})\text{CH}_3$ F.W. 252.31

Please Inquire For Sizing And Pricing

**1,1-DIPHENYLPROPANE, 98%****ITEM 3109**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{CH}(\text{C}_6\text{H}_5)_2$ F.W. 196.29

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 1530-03-6

DOT 9/III

81071 10 G
81072 50 G

Specific Gravity 0.995

**1,1-DIPHENYL-2-PROPYN-1-OL, 97%****ITEM 3110**

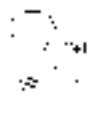
Not on the TSCA inventory.

 $(\text{C}_6\text{H}_5)_2\text{C}(\text{OH})\text{C}\#CH$ F.W. 208.26Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - White to off-white crystal/powder

CAS # 3923-52-2 DOT 9/III

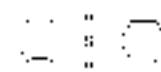
81083 5 G
81081 25 G
81082 100 G

Also available in semi bulk and bulk volumes.

**DIPHENYLSILANE, 98%****ITEM 3111** $(\text{C}_6\text{H}_5)_2\text{SiH}_2$ F.W. 184.31

Assay 98% min.

CAS # 775-12-2 DOT 9/III

81091 25 G
81092 100 G
Specific Gravity 0.997**2,4-bis-(5,6-DIPHENYL-1,2,4-TRIAZIN-3-YL) PYRIDINE****ITEM 663**

2,4-BDTP. Highly sensitive iron reagent. Schilt, Criswell and Fang, Talanta, 21,831 (1974)

 $\text{C}_{35}\text{H}_{23}\text{N}_7$ F.W. 541.62

M.p. 292-293 C

CAS # 35171-26-7 DOT NR

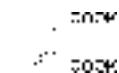
16401 1 G
16402 5 G
16403 10 G**DIPOTASSIUM PHTHALATE, 98%****ITEM 2540** $\text{C}_6\text{H}_4(\text{COOK})_2$ F.W. 242.32

Assay (Nonaqueous titration), 97.5% - 102.5% pH (5% solution) 6.5-8.5

CAS # 4409-98-7 DOT NR

35631 25 G
35632 100 G
35633 500 G

Also available in semi bulk and bulk volumes.



DIPROPARGYLAMINE, 97%**ITEM 3854**

Not on the TSCA inventory.

(HC≡CCH₂)₂NH F.W. 93.13Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 6921-28-4 DOT 3/III

10021 5 G
10023 25 G
10024 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.907

**DIPROPARGYL ETHER, 98%****ITEM 3112**

Keep refrigerated. NOT on the TSCA inventory. Inhibited with BHT about 150 ppm.

HC≡CCH₂OCH₂C≡CH F.W. 94.11Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 6921-27-3 DOT 3/6.1/II

81101 10 G
81102 50 G
Specific Gravity 0.918**1-(DI-n-PROPYLAMINO)-2-PROPYNE, 98% ITEM 3390**

Not on the TSCA inventory.

(CH₃CH₂CH₂)₂NCH₂C≡CH F.W. 139.24Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 6323-79-1 DOT 3/8/II

89511 10 G
89512 50 G
89513 250 G
Specific Gravity 0.799**DI-n-PROPYLPHTHALATE 99.5%****ITEM 2261**C₆H₄(CO₂C₃H₇)₂ F.W. 250.31

Assay 99.5% (GC)

CAS # 131-16-8 DOT NR NFPA # 3-2-2

Please Inquire For Sizing And Pricing
Specific Gravity 1.078**DI-p-TOLUOYL-L-TARTARIC ACID****ITEM 1683**

DTTA

(C₁₀H₉O₄)₂ F.W. 386.36

Assay 95% min. Loss on drying (105 C 4 hr) 0.5%

CAS # 32634-66-5 DOT NR NFPA # 1-1-1

36511 5 G
36512 25 G
36513 100 G**DI-p-TOLYLACETYLENE****ITEM 5287**

Not on the TSCA inventory.

CH₃C₆H₄C≡CC₆H₄CH₃ F.W. 206.28

CAS # 2789-88-0

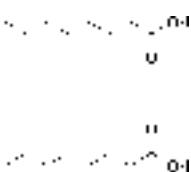
Please Inquire For Sizing And Pricing

10,12-DOCOSADIYNEDIOIC ACID, 98% ITEM 3113

Requires refrigeration. Not on the TSCA inventory.

HOOC(CH₂)₈C≡CC≡C(CH₂)₈COOH F.W. 362.49Assay (GC-FID by Esterification), 97.5% min Identification by GC/MS - Conforms
Appearance - White to blue solid/flakes

CAS # 28393-02-4 DOT 9/III

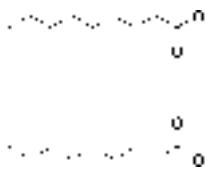
81111 5 G
81112 25 G**10,12-DOCOSADIYNDOIC ACID DIMETHYL ESTER, 95%****ITEM 3114**

Requires refrigeration. Not on the TSCA inventory.

CH₃OOC(CH₂)₈C≡CC≡C(CH₂)₈COOCH₃ F.W. 390.54

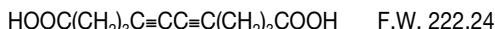
Assay 95% min.

CAS # 24567-41-7 DOT 9/III

81121 5 G
81122 25 G

5,7-DODECADIYNDIOIC ACID, 98%

Requires refrigeration. Not on the TSCA inventory.

**ITEM 3118**

F.W. 222.24

Assay (GC-FID by Esterification),

97.5% min

Identification by GC/MS - Conforms

Appearance - Light tan to blue or pink solid

CAS # 28393-04-6 DOT NR

81162 5 G

□ □ □ □ □

5,7-DODECADIYN-1,12-DIOL, 95%

Requires refrigeration. Not on the TSCA inventory.

**ITEM 3115**

F.W. 194.26

Assay (GC-FID), 94.0% min

Identification by GC/MS - Conforms

CAS # 74602-32-7 DOT NR

81131 5 G

81132 25 G

□ □ □ □ □

2,10-DODECADIYNE, 97%

Not on the TSCA inventory.

**ITEM 3856**

F.W. 162.28

Assay (GC-FID), 96.5% min

Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 31699-38-4 DOT NR

Please Inquire For Sizing And Pricing

3,9-DODECADIYNE, 95%

Not on the TSCA inventory.

**ITEM 3117**

F.W. 162.28

Assay 95% min.

CAS # 61827-89-2 DOT NR

81151 25 G

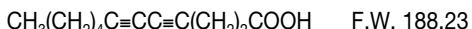
81152 100 G

Specific Gravity 0.830

□ □ □ □ □

4,6-DODECADIYNOIC ACID, 97%**ITEM 3858**

Not on the TSCA inventory.



F.W. 188.23

Assay (GC-FID by Esterification),

96.5% min

Assay (HPLC area % at 226 nm), 96.5% min

Identification by GC/MS -

Conforms

Appearance - White to pink solid

CAS # 100256-61-9 DOT NR

Please Inquire For Sizing And Pricing

□ □ □ □ □

trans-9-DODECEN-1-YL ACETATE, 95% ITEM 3119

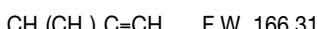
F.W. 226.36

CAS # 35148-19-7

Please Inquire For Sizing And Pricing

Specific Gravity 0.788

□ □ □ □ □

1-DODECYNE, 98%**ITEM 3120**

F.W. 166.31

Assay (GC-FID), 97.5% min

Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 765-03-7 DOT NR

81181 25 G

81182 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.779

1-DODECYNE, 96%**ITEM 3460**

F.W. 166.31

Assay 96%

CAS # 765-03-7 DOT NR

11081 5 G

11082 25 G

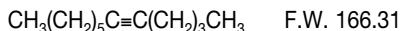
11083 100 G

Specific Gravity 0.779

□ □ □ □ □

5-DODECYNE

Not on the TSCA inventory.

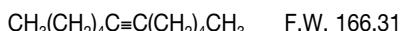


CAS # 19780-12-2

Please Inquire For Sizing And Pricing

ITEM 3860**6-DODECYNE, 98%**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min
Appearance - Clear, colorless to yellow liquid

CAS # 6975-99-1 DOT 9/III

81191 10 G

81192 50 G

Specific Gravity 0.787

7-DODECYN-1-OL**ITEM 3861**

CAS # 41862-94-6

Please Inquire For Sizing And Pricing

10-DODECYN-1-OL**ITEM 3862**

Not on the TSCA inventory.

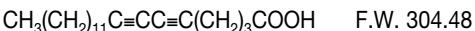


CAS # 69221-99-4 DOT NR

Please Inquire For Sizing And Pricing

5,7-EICOSADIENOIC ACID, 97%

Not on the TSCA inventory.



Assay 97% min. Melting point 64-65 C

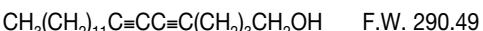
CAS # 69288-29-5 DOT NR

81211 1 G

81212 5 G

5,7-EICOSADIYN-1-OL, 97%

Not on the TSCA inventory.



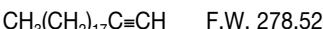
Assay 97% min. Melting point 59-61 C

CAS # 174063-93-5 DOT 9/III

Please Inquire For Sizing And Pricing

1-EICOSYNE, 94%

Not on the TSCA inventory.



Assay 94%

CAS # 765-27-5 DOT NR

14361 10 G

14362 50 G

ELECTROLYTE SOLUTION, ASTM**D3227 6.9.1****ITEM 1282**

See also titration solvent.

Suitability - Pass Test

DOT 3/II NFPA # 1-3-0

74923 1 L

74921 4 L

74922 4 X 4 L

Specific Gravity 0.790

cis-2,3-EPOXYBUTANE, 98%

Not on the TSCA inventory.

 $\text{CH}_3(\text{HCOCH})\text{CH}_3$ F.W. 72.11Assay (GC-corrected for H₂O),
97.5% min
H₂O (KF), 2.5% max

CAS # 1758-33-4 DOT 3/II

81231 10 G
81232 50 G

Specific Gravity 0.826

Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid**ITEM 3126****ITEM 3126****ETHYLAMINE, 70%, AQUEOUS
SOLUTION****ITEM 2743** $\text{CH}_3\text{CH}_2\text{NH}_2$ F.W. 45.09

Assay 70% min.

CAS # 75-04-7 DOT 3/8/II

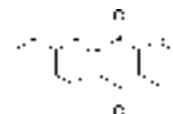
Please Inquire For Sizing And Pricing
Specific Gravity 0.810**2-ETHYLANTHRAQUINONE, 97%****ITEM 2744** $\text{C}_{16}\text{H}_{12}\text{O}_2$ F.W. 236.27

Assay 97% min.

CAS # 84-51-5

38391 100 G

38392 500 G

**ETHYL-2-BUTENOATE, 98%****ITEM 3132**

Not on the TSCA inventory.

 $\text{CH}_3\text{C}=\text{CCOOOC}_2\text{H}_5$ F.W. 112.14Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

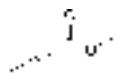
CAS # 4341-76-8 DOT NR

81281 10 G

81282 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.962

**ETHYL-2-BUTYNYL ETHER****ITEM 3863**

Not on the TSCA inventory.

 $\text{C}_2\text{H}_5\text{OCH}_2\text{C}\equiv\text{CCH}_3$ F.W. 98.15

Please Inquire For Sizing And Pricing

**ETHYL ACETATE, REAGENT (ACS)****ITEM 918** $\text{CH}_3\text{COOCH}_2\text{CH}_3$ F.W. 88.11

Assay 99.5% min.

Residue after evaporation 0.003%

Titratable acid 0.0009 meq/g

Substances darkened by sulfuric acid-pass test

CAS # 141-78-6 DOT 3/II NFPA # 2-4-0

38354 1 L

38355 6 X 1 L

38352 4 L

38353 4 X 4 L

Specific Gravity 0.902

ETHYLENEDIAMINE, ANHYDROUS**ITEM 231**

Solvent for nonaqueous titration of acids.

H₂NCH₂CH₂NH₂ F.W. 60.10

Assay 99% min.

Heavy Metals (Pb) 0.001%

CAS # 107-15-3

Density at 25C 0.89

DOT 8/3/II

NFPA # 3-3-2

38401 500 ML

38402 2.5 L

38403 6 X 500 ML

38404 4 X 2.5 L

Specific Gravity 0.902

ETHYLENE GLYCOL, REAGENT**ITEM 920**HOCH₂CH₂OH F.W. 62.07

Boiling range 194-200 C

Acidity (CH₃COOH) 0.01%

Residue 0.005%

Iron 0.00002%

CAS # 107-21-1

Specific gravity @ 20 C 1.113-1.116 g/ml

Water 0.2%

Chloride 0.0005%

DOT NR

NFPA # 2-1-1

38581 500 ML

38582 4 L

38583 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 1.113

**ETHYL ETHER, ANHYDROUS,
REAGENT (ACS)****ITEM 916**

Stabilized with 2,6-di-tert-butyl-p-cresol 0.0001%

(C₂H₅)₂O F.W. 74.12

Assay 99.0% min.

Peroxide 0.0001%

Titrable acid 0.0002 meq/g

Water 0.03%

CAS # 60-29-7

Color (APHA) 10 max.

Residue after evaporation 0.001%

Carbonyl (as HCHO) 0.001%

Alcohol-pass test

DOT 3/I

NFPA # 2-4-2

38702 1 L

38706 6 X 1 L

38704 4 L

38705 4 X 4 L

Specific Gravity 0.710

ETHYL ETHER, REAGENT (ACS)**ITEM 917**

Stabilized with ethanol 2%, water 0.5% and BHT 0.0001%

(C₂H₅)₂O F.W. 74.12

Assay 98.0% min.

Peroxide 0.0001%

Titrable acid 0.0002 meq/g

CAS # 60-29-7

Color (APHA) 10 max.

Residue after evaporation 0.001%

Carbonyl (as HCHO) 0.001%

DOT 3/I

NFPA # 2-4-2

38713 1 L

38715 6 X 1 L

38714 4 L

38717 4 X 4 L

Specific Gravity 0.710

ETHYL ETHYNYL ETHER, 50% (W/W),**In HEXANES****ITEM 3134**

WARNING: Reported to undergo explosive decomposition if heated above its boiling point to 100 C. Requires refrigeration. Not on the TSCA inventory.

HC≡COCH₂CH₃ F.W. 70.09

Assay (GC-FID), 48.0% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to dark amber liquid

CAS # 927-80-0 DOT 3/II

81301 10 G

81302 50 G

81303 250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.802

n ...

ETHYL 6-HEPTEN-2-YNOATE, 95%**ITEM 5199**

Not on the TSCA inventory

CH₂=CHCH₂CH₂C≡CCOOCH₂CH₃ F.W. 152.19

Assay (GC-FID), 94.0% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

DOT NR

Please Inquire For Sizing And Pricing

**3-ETHYL-1-HEPTYNE, 98%****ITEM 5515**

Not on the TSCA inventory.

C₉H₁₆ F.W. 124.22

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 55944-43-9 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.750

**ETHYL-2-HEPTYNOATE, 98%****ITEM 3136**

Not on the TSCA inventory.

CH₃(CH₂)₃C≡CCOOCH₂CH₃ F.W. 154.21

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 16930-95-3 DOT NR

81321 10 G

81322 50 G

Specific Gravity 0.916



ETHYL 6-HEPTYNOATE, 97%**ITEM 5481**

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min
Appearance - Clear, colorless to yellow liquid

CAS # 105339-02-4 DOT NR

17731

5 G

**2-ETHYLHEXANOIC ACID, 99%****ITEM 4662**

Assay (GC-FID), 98.5% min
Identification by GC/MS - Conforms

CAS # 149-57-5 DOT NR

16051 100 ML

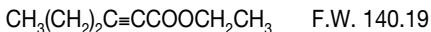
16052 500 ML

16053 2 L

Specific Gravity 0.903

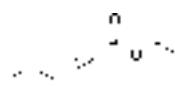
ETHYL 2-HEXYNOATE, 98%**ITEM 3386**

Not on the TSCA inventory.

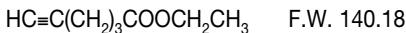


Assay (GC-FID), 97.5% min
Appearance - Clear, colorless to yellow liquid

CAS # 16205-90-6 DOT 9/III

83851 10 G
83852 50 G**ETHYL 5-HEXYNOATE****ITEM 5499**

Not on the TSCA inventory.



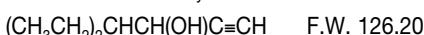
Assay

CAS # 108545-38-6

Please Inquire For Sizing And Pricing

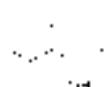
**4-ETHYL-1-HEXYN-3-OL****ITEM 3864**

Not on the TSCA inventory.



CAS # 51277-03-3

Please Inquire For Sizing And Pricing

**3-ETHYL-5-METHYL-1-HEPTYN-3-OL****ITEM 3865**

Not on the TSCA inventory.



Please Inquire For Sizing And Pricing

**ETHYL 2-OCTYNOATE, 98%****ITEM 3137**

Assay (GC-FID), 97.5% min
Identification by GC/MS - Conforms

CAS # 10519-20-7 DOT NR

81333 5 G
81331 25 G

81332 100 G

Specific Gravity 0.910

**ETHYL 7-OCTYNOATE, 98%****ITEM 5546**

Assay(GC-FID) 97.5% min.

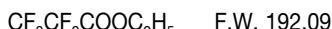
CAS # 108545-39-7

Please Inquire For Sizing And Pricing

**4-ETHYL-1-OCTYN-3-OL****ITEM 3866**

CAS # 5877-42-9

Please Inquire For Sizing And Pricing

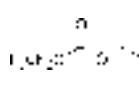
**ETHYL PENTAFLUOROPROPIONATE, 98% ITEM 3138**

Assay 98%

CAS # 426-65-3 DOT 3/II

81341 25 G
81342 100 G

Specific Gravity 1.299



ETHYL 2-PENTYNOATE, 98%

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 55314-57-3 DOT NR

81351 10 G
81352 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.957

ITEM 3139**ETHYL 1-PROPYNYL ETHER****ITEM 3867**

Not on the TSCA inventory

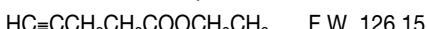


CAS # 14273-06-4

Please Inquire For Sizing And Pricing

ETHYL 4-PENTYNOATE**ITEM 5497**

Not on the TSCA inventory.

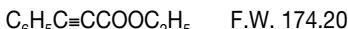


Assay
CAS # 63093-41-4

Please Inquire For Sizing And Pricing

ETHYL-3-PHENYLPROPIOLATE, 98%**ITEM 3140**

Not on the TSCA inventory.



Assay 98% min.

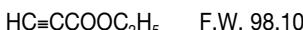
CAS # 2216-94-6 DOT 9/III

81361 10 G
81362 50 G

Specific Gravity 1.055

ETHYL PROPIOLATE, 98%**ITEM 3141**

Not on the TSCA inventory.



Assay 98% min.

CAS # 623-47-2 DOT 3/II

81371 10 G
81372 50 G

Specific Gravity 0.968

**ETHYL 2-(TRIMETHYLSILYL)ACETATE,
97%****ITEM 3144**

Not on the TSCA inventory.



Assay 97% min.

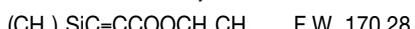
CAS # 4071-88-9 DOT 3/II

81401 10 G
81402 50 G

Specific Gravity 0.876

**ETHYL 3-(TRIMETHYLSILYL)PROPIOLATE,
98%****ITEM 3146**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

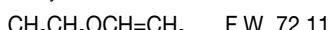
CAS # 16205-84-8 DOT 9/III

81421 10 G
81422 50 G

Specific Gravity 0.897

ETHYL VINYL ETHER, 99%**ITEM 3412**

Lachrymator



Assay (GC-FID), 98.5% min

CAS # 109-92-2 DOT 3/I

89651 200 ML
89652 1 L
89653 19 L

Specific Gravity 0.753

1-ETHYNYLADAMANTANE**ITEM 5329**

Not on the TSCA inventory.

 $\text{C}_{12}\text{H}_{16}$ F.W. 160.26

Assay (GC-FID), Report % Identification by GC/MS - Conforms

CAS # 40430-66-8 DOT NR

Please Inquire For Sizing And Pricing

**4-ETHYNYLANILINE, 99%****ITEM 5378**

Not on the TSCA inventory.

 $\text{H}_2\text{NC}_6\text{H}_4\text{C}\equiv\text{CH}$ F.W. 117.15

Assay 99.0% Water (by KF) 0.3%

CAS # 14235-81-5 DOT NR

Please Inquire For Sizing And Pricing

**3-ETHYNYLANISOLE, 98%****ITEM 5479**

Not on the TSCA inventory.

 $\text{CH}_3\text{OC}_6\text{H}_4\text{C}\equiv\text{CH}$ F.W. 132.16Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

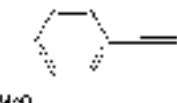
CAS # 768-70-7 DOT NR

15571

5 G

15572

25 G

**4-ETHYNYLANISOLE, 98%****ITEM 3464**

Not on the TSCA inventory.

 $\text{CH}_3\text{OC}_6\text{H}_4\text{C}\equiv\text{CH}$ F.W. 132.16Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 768-60-5 DOT NR

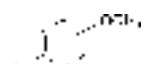
33821

5 G

33822

25 G

Specific Gravity 1.019

**1-ETHYNYL-1-CYCLOHEXANOL, 99%****ITEM 3147** $\text{C}_6\text{H}_{10}(\text{OH})\text{C}\equiv\text{CH}$ F.W. 124.18Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - White to off-white solid when <32 C

CAS # 78-27-3 DOT 9/III

81431 100 G

81432 500 G

Specific Gravity 0.973

**1-ETHYNYL CYCLOHEXYLAMINE, 98%****ITEM 3148** $\text{H}_2\text{NC}_6\text{H}_{10}\text{C}\equiv\text{CH}$ F.W. 123.20Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 30389-18-5 DOT 8/3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.913

**1-ETHYNYL-1-CYCLOPENTANOL, 98+%****ITEM 3149** $\text{C}_5\text{H}_8(\text{OH})\text{C}\equiv\text{CH}$ F.W. 110.16

Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms

CAS # 17356-19-3 DOT 3/III

81453 5 G

81451 25 G

81452 100 G

Specific Gravity 0.962

**9-ETHYNYL-9-FLUORENOL, 97%****ITEM 3150**

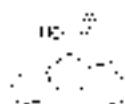
Not on the TSCA inventory.

 $\text{C}_{13}\text{H}_8(\text{OH})\text{C}\equiv\text{CH}$ F.W. 206.25Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - White to yellow solid / crystal

CAS # 13461-74-0 DOT 9/III

81461 10 G

81462 50 G



3-ETHYNYLPHENOL, 95%**ITEM 3204**

Not on the TSCA inventory.



Assay (GC-FID), 94% min Identification by GC/MS - Conforms

CAS # 10401-11-3 DOT 8/6.1/II

81991 2 G
81992 10 G**4-ETHYNYLPHENOL****ITEM 3887**

Not on the TSCA inventory.



Assay 95%

CAS # 2200-91-1 DOT 8/6.1/II

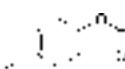
Please Inquire For Sizing And Pricing

**4-ETHYNYLPHENYL ACETATE, 98%****ITEM 3497**

Not on the TSCA inventory.

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to orange crystal/solid

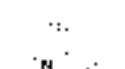
CAS # 16141-18-7 DOT NR

12691 1 G
12692 5 G**2-ETHYNYL PYRIDINE, 98+%****ITEM 3151**

Inhibited with 0.01% hydroquinone. Not on the TSCA inventory.

Assay (GC-FID), 98.0% min Inhibitor 0.01% hydroquinone
Identification by GC/MS - Conforms

CAS # 1945-84-2 DOT NR

81471 5 G
81472 25 G
Specific Gravity 0.940**2-ETHYNYLTHIOPHENE, 97%****ITEM 3685**

Not on the TSCA inventory.



Assay 97%

CAS # 4298-52-6 DOT 3/III

Please Inquire For Sizing And Pricing
Specific Gravity 1.080**3-ETHYNYLTHIOPHENE****ITEM 5331**

Not on the TSCA inventory.



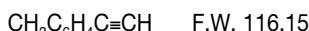
Assay (report)

CAS # 67237-53-0 DOT 3/III

Please Inquire For Sizing And Pricing

**2-ETHYNYL TOLUENE, 97%****ITEM 5322**

Not on the TSCA inventory.

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 766-47-2 DOT 3/III

Please Inquire For Sizing And Pricing

**3-ETHYNYL TOLUENE, 97%****ITEM 5332**

Not on the TSCA inventory.

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

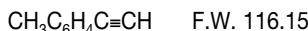
CAS # 766-82-5 DOT 3/III

Please Inquire For Sizing And Pricing



4-ETHYNYLtolUENE, 97%

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 766-97-2 DOT 3/III

81483	5 G
81481	25 G
81482	100 G

Specific Gravity 0.916

9-FLUORENONE, 98%

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Yellow crystal/solid

CAS # 486-25-9 DOT NR

40191	100 G
40192	500 G

4-FLUOROPHENYLACETYLENE, 98% ITEM 5258

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow

CAS # 766-98-3 DOT 4.1/II

15031	1 G
15032	5 G

4-(4-FLUOROPHENYL)-1-BUTENE, 97% ITEM 3153

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2248-13-7 DOT 9/III

81491	5 G
81492	25 G

ITEM 3152**FORMAMIDE, BIO-REFINED™****ITEM 1913**

Assay 99.5% min.(GLC)
KMnO4 reducing substances 0.005%
Moisture (by KF) 0.10%
Chloride (Cl) 0.0005%
Absorbance (2M in H2O) @
260 nm <0.30

Residue on ignition 0.10%
pH (10M in water @20 deg.C) 7.0-8.0
Insoluble matter 0.005%
Sulfate 0.001%
Absorbance (2M in H2O) @
280 nm <0.05

Al 5 ppm	As 0.1 ppm	Ba 5 ppm
Bi 5 ppm	Ca 10 ppm	Cd 5 ppm
Co 5 ppm	Cr 5 ppm	Cu 5 ppm
Fe 2 ppm	K 50 ppm	Li 5 ppm
Mg 5 ppm	Mn 5 ppm	Mo 5 ppm
Na 50 ppm	Ni 5 ppm	Pb 5 ppm
Sr 5 ppm	Zn 5 ppm	

CAS # 75-12-7 DOT NR

40362 100 G

40361 500 G

Specific Gravity 1.130

**D-GLUCOSE, ANHYDROUS,
REAGENT (ACS)****ITEM 926**

Dextrose.



Specific rotation (a)25 D + 52.5 to + 53.0
Loss on drying at 105C 0.2%
Titralbe acid 0.002 meq/g
Sulfate and Sulfite (SO4) 0.005%
Iron 0.0005%
Insoluble 0.005%
Residue after ignition 0.02%
Chloride 0.01%
Starch-pass test
Heavy Metals (Pb) 0.0005%

CAS # 50-99-7 DOT NR NFPA # 0-1-1

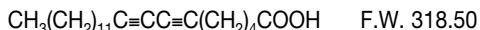
41351 500 G

41352 2.5 KG

Also available in semi bulk and bulk volumes.

6,8-HENEICOSADIYNOIC ACID, 98%**ITEM 3472**

Not on the TSCA Inventory, for R&D purposes only.



Assay (GC-FID by Esterification),
97.5% min Identification by GC/MS - Conforms
Appearance - Off-white to blue solid

CAS # 174063-94-6 DOT NR

10030 1 G

10031 10 G

8,10-HENEICOSADIYNOIC ACID, 96% ITEM 3154

Requires refrigeration. Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_9\text{C}\equiv\text{CC}\equiv\text{C}(\text{CH}_2)_6\text{COOH}$ F.W. 318.50

Assay 96% Melting point 51-52 C

CAS # 174063-95-7 DOT 9/III

Please Inquire For Sizing And Pricing

U

10,12-HENEICOSADIYNOIC ACID, 98% ITEM 9277 $\text{CH}_3(\text{CH}_2)_{11}\text{C}\equiv\text{CC}\equiv\text{C}(\text{CH}_2)_8\text{COOH}$ F.W. 318.50

Assay (GC-FID by Esterification), 97.5% min Identification by GC/MS - Conforms

CAS # 28393-00-2 DOT NR

Please Inquire For Sizing And Pricing

10,12-HEPTACOSADIYNOIC ACID, 98% ITEM 3446

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_{13}\text{C}\equiv\text{CC}\equiv\text{C}(\text{CH}_2)_8\text{COOH}$ F.W. 402.66

Assay (GC-FID by Esterification), 97.5% min Identification by GC/MS - Conforms

Appearance - Off-white to light blue waxy solid

CAS # 67071-94-7 DOT NR

41661 1 G
41662 5 G

C

C

4,6-HEPTADECADIYNOIC ACID, 98% ITEM 3155

Requires refrigeration. Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_9\text{C}\equiv\text{CC}\equiv\text{C}(\text{CH}_2)_2\text{COOH}$ F.W. 262.39

Assay (GC-FID by Esterification), 97.5% min Assay (HPLC area % at 226 nm), 97.5% min

Identification by GC/MS - Conforms Appearance - White to blue solids/flakes

CAS # 84975-52-0 DOT 9/III

81511 1 G
81512 5 G**2,4-HEPTADECADIYN-1-OL, 98% ITEM 3156**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_{11}\text{C}\equiv\text{CC}\equiv\text{CCH}_2\text{OH}$ F.W. 248.41

Assay 98% min. Melting point 57-59 C

CAS # 64034-03-3 DOT 6.1/III

Please Inquire For Sizing And Pricing

1-HEPTADECENE, 97% ITEM 3157 $\text{CH}_3(\text{CH}_2)_{14}\text{CH}=\text{CH}_2$ F.W. 238.46Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 6765-39-5 DOT 9/III

81531 10 G
81532 50 G

Specific Gravity 0.785

C

1-HEPTADECYNE, 97% ITEM 3424

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_{14}\text{C}\equiv\text{CH}$ F.W. 236.44Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid Exists in solid state
< 26 C

CAS # 26186-00-5 DOT 9/III

41831 10 G
41832 50 G

Specific Gravity 0.800

6-HEPTADECYNE**ITEM 5229**

Not on the TSCA inventory.

CH3(CH2)9C≡C(CH2)4CH3 F.W. 236.44

Please Inquire For Sizing And Pricing

1,6-HEPTADIYNE, 98%**ITEM 3158**HC#C(CH2)3C≡CH F.W. 92.14Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 2396-63-6 DOT 3/II

81543 5 G
81542 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.805

2,5-HEPTADIYNE**ITEM 3875**

Not on the TSCA inventory.

CH3C≡CCH2C≡CCH3 F.W. 92.14

CAS # 50428-63-2

Please Inquire For Sizing And Pricing

1-HEPTANOIC ACID, 97%**ITEM 3476**

Enanthic acid

CH3(CH2)5COOH F.W. 130.19Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 111-14-8 DOT 8/III

10131 500 ML
10132 1 L
Specific Gravity 0.918**1-HEPTENE, 98+%****ITEM 3160**CH3(CH2)4CH=CH2 F.W. 98.19Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 592-76-7 DOT 3/II

81561 25 G
81562 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.697

trans-2-HEPTENE, 98%**ITEM 3161**

Not on the TSCA inventory.

CH3(CH2)3CH=CHCH3 F.W. 98.19

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 14686-13-6 DOT 3/II NFPA # 0-3-0

81571 5 G
81572 25 G
Specific Gravity 0.701**cis-2-HEPTENE, 95%****ITEM 5303**

Not on the TSCA inventory.

CH3(CH2)3CH=CHCH3 F.W. 98.19

Assay (GC-FID), 94.0% min Appearance - Clear, colorless liquid

CAS # 6443-92-1 DOT 3/II NFPA # 0-3-0

Please Inquire For Sizing And Pricing

trans-3-HEPTENE, 97%**ITEM 3163**

Not on the TSCA inventory.

CH3(CH2)2CH=CHCH2CH3 F.W. 98.19

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 14686-14-7 DOT 3/II

81581 5 G
81582 25 G
Specific Gravity 0.698**1-HEPTEN-3-OL, 98%****ITEM 3372**CH2=CHCH(OH)(CH2)3CH3 F.W. 114.19

Assay 98%

CAS # 4938-52-7 DOT 3/II NFPA # 1-2-0

Please Inquire For Sizing And Pricing

Specific Gravity 0.836

1-HEPTEN-3-YNE**ITEM 3876**

Not on the TSCA inventory.

CH3(CH2)2C≡CCH=CH2 F.W. 94.16

CAS # 2384-73-8

Please Inquire For Sizing And Pricing

1-HEPTEN-4-YNE

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}=\text{CH}_2$ F.W. 94.16

CAS # 19781-78-3

Please Inquire For Sizing And Pricing

ITEM 3877**1-HEPTEN-6-YNE**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{C}(\text{CH}_2)_3\text{CH}=\text{CH}_2$ F.W. 94.16

Assay 98%

CAS # 65939-59-5 DOT 3/II

Please Inquire For Sizing And Pricing

1-HEPTYNE, 98% $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CH}$ F.W. 96.17Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 628-71-7 DOT 3/II

81591 25 G
81592 100 G
81593 500 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.733**2-HEPTYNE, 98%**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CCH}_3$ F.W. 96.17

Assay 98% min.

CAS # 1119-65-9 DOT 3/II

81601 10 G
81602 50 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.745**ITEM 3164****3-HEPTYNE, 98%**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_2\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 96.17

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 2586-89-2 DOT 3/II

81611 10 G**81612** 50 G

Specific Gravity 0.753

ITEM 3166**2-HEPTYNOIC ACID****ITEM 3879**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CCOOH}$ F.W. 126.16

CAS # 1483-67-6

Please Inquire For Sizing And Pricing

6-HEPTYNOIC ACID, 98%**ITEM 3167**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{C}(\text{CH}_2)_4\text{COOH}$ F.W. 126.16

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 30964-00-2 DOT 8/III

81621 5 G
81622 25 G

Specific Gravity 0.999

1-HEPTYN-3-OL, 98%**ITEM 3168**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{OH})\text{C}\equiv\text{CH}$ F.W. 112.17Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max

CAS # 7383-19-9 DOT 3/III

81631 10 G
81632 50 G

Specific Gravity 0.867

2-HEPTYN-1-OL, 98%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CCH}_2\text{OH}$ F.W. 112.17

Assay 98% min.

CAS # 1002-36-4 DOT 9/III

81641 10 G

81642 50 G

Specific Gravity 0.884

ITEM 3169**5-HEPTYN-3-OL, 98%**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{C}\equiv\text{CCH}_3$ F.W. 112.17

Assay (GC-FID), 97.5% min

CAS # 19781-82-9 DOT 9/III

84881 5 G

84882 25 G

84883 100 G

3-HEPTYN-1-OL, 98%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_2\text{C}\equiv\text{CCH}_2\text{CH}_2\text{OH}$ F.W. 112.17

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

 $\text{H}_2\text{O} (\text{KF}), 0.5\% \text{ max}$

CAS # 14916-79-1 DOT 9/III

81651 25 G

81652 100 G

Specific Gravity 0.884

ITEM 3170**7.9-HEXADECADIYNEDIOIC ACID, 98% ITEM 5548**

Light sensitive, protect from light. Not on the TSCA inventory.

 $\text{C}_{16}\text{H}_{22}\text{O}_4$ F.W. 278.34

Assay(GC-FID) 97.5% min

CAS # 33128-29-9

Please Inquire For Sizing And Pricing

5,7-HEXADECADIYNOIC ACID ITEM 3407

Light sensitive, protect from light. Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_7\text{C}\equiv\text{CC}\equiv\text{C}(\text{CH}_2)_3\text{COOH}$ F.W. 248.37

CAS # 28393-01-3 DOT 9/III

89611 2 G

89612 10 G

4-HEPTYN-2-OL, 97%

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}(\text{OH})\text{CH}_3$ F.W. 112.17

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 19781-81-8 DOT 9/III

81661 10 G

81662 50 G

1-HEXADECENE, 90%, TECHNICAL ITEM 3413 $\text{CH}_3(\text{CH}_2)_{13}\text{CH}=\text{CH}_2$ F.W. 224.43

Assay (GC-FID), 88.0% min 2-Ethyl-1-Tetradecene, 2% max

2-Butyl-1-Dodecene, 2% max 2-Hexyl-1-Decene, 2% max

1-Hexadecane, 2% max

CAS # 629-73-2 DOT NR

89661 100 ML

89662 1 L

Specific Gravity 0.783

4-HEPTYN-3-OL, 97%

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}(\text{OH})\text{CH}_2\text{CH}_3$ F.W. 112.17

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 32398-69-9 DOT NR

Please Inquire For Sizing And Pricing

1-HEXADECYNE, 90+% ITEM 3173

Tetradecylacetylene

 $\text{CH}_3(\text{CH}_2)_{13}\text{C}\equiv\text{CH}$ F.W. 222.42

Assay (GC-FID), 88.0% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 629-74-3 DOT 9/III

81681 25 G

81682 100 G

Specific Gravity 0.796

7-HEXADECYN-1-OL, 97%	ITEM 3174	Specific Gravity 0.805
Not on the TSCA inventory.		
$\text{CH}_3(\text{CH}_2)_7\text{C}\equiv\text{C}(\text{CH}_2)_6\text{OH}$	F.W. 238.40	
Assay (GC-FID), 96.5% min	Appearance - Clear, colorless to yellow liquid	
CAS # 822-21-9	DOT 9/III	
81691	5 G	
11-HEXADECYNYL ACETATE, 95%	ITEM 3176	
Not on the TSCA inventory.		
$\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{C}(\text{CH}_2)_{10}\text{OCOCH}_3$	F.W. 280.45	
CAS # 53596-80-8		
81711	1 G	
81712	5 G	
1,5-HEXADIENE, 97%	ITEM 3378	
$\text{H}_2\text{C}=\text{CHCH}_2\text{CH}_2\text{CH}=\text{CH}_2$	F.W. 82.15	
Assay (GC-FID), 96.5% min	Identification by GC/MS - Conforms	
Appearance - Clear, colorless liquid		
CAS # 592-42-7	DOT 3/II	NFPA # 1-4-0
89931	25 G	
89932	100 G	
Specific Gravity 0.691		
2,4-HEXADIYN-1,6-DIOL, 97%	ITEM 3178	
Not on the TSCA inventory.		
$\text{HOCH}_2\text{C}\equiv\text{CC}\equiv\text{CCH}_2\text{OH}$	F.W. 110.11	
Assay (GC-FID), 96.5% min	Identification by GC/MS - Conforms	
CAS # 3031-68-3	DOT NR	
81731	5 G	
81732	25 G	
1,5-HEXADIYNE, 50%, IN PENTANE	ITEM 3179	
Preserved with BHT.		
$\text{HC}\equiv\text{C}(\text{CH}_2)_2\text{C}\equiv\text{CH}$	F.W. 78.12	
Assay (GC-FID - Calibrated), 50% min	Identification by GC/MS - Conforms	
FTIR Spectrum - Conforms to standard	Other isomeric impurities (as is) 1-3%	
Stabilizer (BHT), Confirm presence	Appearance - Clear, colorless to lt. yellow liquid	
CAS # 628-16-0	DOT 3/II	NFPA # 1-3-2
81741	5 G	
81742	25 G	
81743	100 G	
Also available in semi bulk and bulk volumes.		
2,4-HEXADIYNE, 99%	ITEM 3180	
Not on the TSCA inventory.		
$\text{CH}_3\text{C}\equiv\text{CC}\equiv\text{CCH}_3$	F.W. 78.12	
Assay (GC-FID), 98.5% min	Identification by GC/MS - Conforms	
Appearance - Clear, colorless to dark yellow solid		
CAS # 2809-69-0	DOT 4.1/II	
81751	5 G	
81752	25 G	
HEXAMETHYLDISILOXANE, 98%	ITEM 3182	
$[(\text{CH}_3)_3\text{Si}]_2\text{O}$	F.W. 162.38	
Assay (GC-FID), 97.5% min	Appearance - Clear, colorless liquid	
CAS # 107-46-0	DOT 3/II	
81771	100 G	
81772	500 G	
Specific Gravity 0.764		
HEXAMETHYLPHOSPHORAMIDE	ITEM 3744	
$[(\text{CH}_3)_2\text{N}]_3\text{PO}$	F.W. 179.20	
Assay 98.0%		
CAS # 680-31-9	DOT 9/III	
11361	100 G	
11362	500 G	
11363	2.5 KG	
Specific Gravity 1.030		
1,6-HEXANEDIOL, 98%	ITEM 3183	
$\text{HO}(\text{CH}_2)_6\text{OH}$	F.W. 118.18	
Assay (GC-FID), 97.5% min	Identification by GC/MS - Conforms	
$\text{H}_2\text{O}(\text{K})$, 0.5% max		
CAS # 629-11-8	DOT NR	
81782	100 G	
81781	1 KG	
Also available in semi bulk and bulk volumes.		
n-HEXANE-MTBE 80-20 MIXTURE	ITEM 2350	
Substitute for Freon(r) in the EPA test for oil and grease in stormwater.		
n-Hexane (Area % by GC-FID), 7		
5.0-85.0%	MTBE (Area % by GC-FID), 15.0-25.0%	
Density (at 20 C), 0.670-0.680 g/ml	Appearance - Clear, colorless liquid	
DOT 3/II	NFPA # 1-3-0	
41761	1 L	
41762	4 L	
Specific Gravity 0.681		

E-Mail Development@GFS Chemicals.com to Inquire about Scale Up or Process Quantities.

HEXANES, REAGENT (ACS)**ITEM 928**

A mixture of hexane isomers plus methylcyclopentane.

 C_6H_{14} F.W. 86.18Assay 98.5% min.
Residue after evaporation 0.001%
Sulfur compounds 0.005%Color (APHA) 10 max.
Water-soluble titrable acid 0.0003 meq/g
Thiophene-pass test

CAS # 110-54-3 DOT 3/II NFPA # 1-3-0

41754	1 L
41755	6 X 1 L
41752	4 L
41753	4 X 4 L
41756	20 L

Specific Gravity 0.659

1-HEXENE, 97%**ITEM 3414** $CH_3(CH_2)_3CH=CH_2$ F.W. 84.16Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 592-41-6 DOT 3/II

89671	100 ML
Specific Gravity 0.673	

.....

cis-2-HEXENE, 95%**ITEM 3184** $CH_3(CH_2)_2CH=CHCH_3$ F.W. 84.16Assay (GC-FID), 94.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 7688-21-3 DOT 3/II NFPA # 1-3-0

81791	5 G
81792	25 G
81793	1 KG

Also available in semi bulk and bulk volumes.
Specific Gravity 0.684**trans-2-HEXENE, 98+%****ITEM 3185** $CH_3(CH_2)_2CH=CHCH_3$ F.W. 84.16Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 4050-45-7 DOT 3/II NFPA # 1-3-0

81801	5 G
81802	25 G
81803	100 G

Also available in semi bulk and bulk volumes.
Specific Gravity 0.669**cis-3-HEXENE, 97%****ITEM 3187**

Not on the TSCA inventory.

 $CH_3CH_2CH=CHCH_2CH_3$ F.W. 84.16Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 7642-09-3 DOT 3/II

81821	10 G
81822	50 G

Specific Gravity 0.677

.....

trans-3-HEXENE, 99%**ITEM 3417**

Not on the TSCA inventory.

 $CH_3CH_2CH=CHCH_2CH_3$ F.W. 84.16Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 13269-52-8 DOT 3/II

89701	5 G
89702	25 G
89703	100 G

Specific Gravity 0.677

.....

trans-3-HEXENE, 97%**ITEM 3188**

Not on the TSCA inventory.

 $CH_3CH_2CH=CHCH_2CH_3$ F.W. 84.16Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 13269-52-8 DOT 3/II

81831	10 G
81832	50 G
81834	1 KG

Also available in semi bulk and bulk volumes.
Specific Gravity 0.677**5-HEXENOIC ACID, 98%****ITEM 3455**

Not on the TSCA inventory.

 $H_2C=CH(CH_2)_3COOH$ F.W. 114.14Assay (GC-FID), 97.5% min Assay (Acid-base titration), 9.7.5% - 102.5%
Identification by GC/MS - Conforms H₂O (KF), 0.5% max
Appearance - Clear, colorless to yellow liquid

CAS # 1577-22-6 DOT 8/III

11371	1 G
11372	5 G

Specific Gravity 0.961

.....

cis-3-HEXEN-1-OL, 98%**ITEM 3190**

$\text{CH}_3\text{CH}_2\text{CH}=\text{CH}(\text{CH}_2)_2\text{OH}$ F.W. 100.16

Assay (GC-FID), 97.5% min
H₂O (KF), 0.5% max

CAS # 928-96-1 DOT 3/III NFPA # 0-2-0

81852 5 G
81851 25 G
Specific Gravity 0.846

Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

DOT 3/III

NFPA # 0-2-0

5-HEXEN-1-OL, 90%**ITEM 3393**

5-HEXENE-1-OL

$\text{H}_2\text{C}=\text{CH}(\text{CH}_{2/4})_2\text{OH}$ F.W. 100.16

Assay (GC-FID), 88.0% min
H₂O (KF), 0.5% max

CAS # 821-41-0 DOT 3/III

83711 25 G
83712 100 G
Specific Gravity 0.842

Identification by GC/MS - Conforms

DOT 3/III

1-HEXEN-3-YNE**ITEM 3884**

Not on the TSCA inventory.

$\text{CH}_2=\text{CHCH}_2\text{C}\equiv\text{CCH}_3$ F.W. 80.13

CAS # 13721-54-5

Please Inquire For Sizing And Pricing

Specific Gravity 0.749

1-HEXEN-4-YNE**ITEM 3885**

Not on the TSCA inventory.

$\text{CH}_2=\text{CHCH}_2\text{C}\equiv\text{CCH}_3$ F.W. 80.13

CAS # 5009-11-0

Please Inquire For Sizing And Pricing

Specific Gravity 0.767

1-HEXEN-5-YNE, 98%**ITEM 3886**

Not on the TSCA inventory.

$\text{CH}_2=\text{CHCH}_2\text{CH}_2\text{C}\equiv\text{CH}$ F.W. 80.13

Assay 98%

CAS # 14548-31-3 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.765

HEXYLMAGNESIUM BROMIDE, 0.8 M, in TETRAHYDROFURAN**ITEM 3979**

$\text{CH}_3(\text{CH}_2)_5\text{MgBr}$ F.W. 189.39

Active Grignard concentration, 0.8M ± 0.2 Density (g/ml), Report

CAS # 3761-92-0 DOT 4.3/II

Please Inquire For Sizing And Pricing
Specific Gravity 0.980

3-HEXYN-1,6-DIOL, 97%**ITEM 3447**

$\text{HOCH}_2\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_2\text{OH}$ F.W. 114.15

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - White to yellow solid

CAS # 85655-98-7 DOT NR

41861 10 G
41862 50 G

1-HEXYNE, 98%**ITEM 3193**

$\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CH}$ F.W. 82.15

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 693-02-7 DOT 3/II

81881 25 G
81882 100 G

Also available in semi bulk and bulk volumes.
Specific Gravity 0.715

2-HEXYNE, 98%**ITEM 3194**

Not on the TSCA inventory.

$\text{CH}_3(\text{CH}_2)_2\text{C}\equiv\text{CCH}_3$ F.W. 82.15

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 764-35-2 DOT 3/II

81893 5 G
81891 25 G
81892 100 G

Also available in semi bulk and bulk volumes.
Specific Gravity 0.731

3-HEXYNE, 99%

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 82.15Assay (GC-FID) 98.5% min. Identification by GC/MS - Conforms
Stabilizer (BHT), Confirm presence Appearance - Clear, colorless liquid

CAS # 928-49-4 DOT 3/II

81901 10 G
81902 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.723

ITEM 3195**3-HEXYNE, 96%**

Not on the TSCA inventory

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 82.15Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
Stabilizer (BHT), Confirm presence Appearance - Clear, colorless liquid

CAS # 928-49-4 DOT 3/II

41841 10 G
41842 50 G

Specific Gravity 0.723

ITEM 3426**2-HEXENOIC ACID, 96%**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_2\text{C}\equiv\text{CCOOH}$ F.W. 112.13Assay (Acid-base titration),
95.0% - 105.0% Appearance - White to yellow crystal/solid

CAS # 764-33-0 DOT NR

81911 10 G
81912 50 G

Specific Gravity 0.992

ITEM 3196**5-HEXENOIC ACID, 96%**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{C}(\text{CH}_2)_3\text{COOH}$ F.W. 112.13Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 53293-00-8 DOT 8/III

81921 5 G
81922 25 G
81923 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.990

ITEM 3195**1-HEXYN-3-OL, 98%****ITEM 3198** $\text{CH}_3(\text{CH}_2)_2\text{CH}(\text{OH})\text{C}\equiv\text{CH}$ F.W. 98.15Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 105-31-7 DOT 6.1/3/I

81933 5 G
81931 25 G
81932 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.872

2-HEXYN-1-OL, 97%**ITEM 3199**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_2\text{C}\equiv\text{CCH}_2\text{OH}$ F.W. 98.15Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 764-60-3 DOT NR

81941 10 G
81942 50 G

Specific Gravity 0.897

3-HEXYN-1-OL, 98%**ITEM 3200** $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_2\text{OH}$ F.W. 98.15Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 1002-28-4 DOT 9/III

81953 5 G
81951 25 G
81952 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.870

3-HEXYN-2-OL, 98%**ITEM 3201** $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}(\text{OH})\text{CH}_3$ F.W. 98.15

Assay (GC-FID), 97.5% min

CAS # 109-50-2 DOT 3/III

81961 5 G
81962 25 G

4-HEXYN-3-OL, 98%

Not on the TSCA inventory.

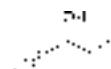
 $\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{C}\equiv\text{CCH}_3$ F.W. 98.15

Assay (GC-FID), 97.5% min

CAS # 20739-59-7 DOT 3/III

89521 10 G
89522 50 G
89523 250 G

Specific Gravity 0.894

**ITEM 3391****5-HEXYNYLAMINE, 97%****ITEM 9722**

Not on the TSCA inventory.

 $\text{NH}_2(\text{CH}_2)_4\text{C}\equiv\text{CH}$ F.W. 97.16

Assay (GC-FID), 96.5% min

Identification by GC/MS - Conforms H₂O (KF), 5.0% max
Appearance - Clear, colorless to yellow liquid

CAS # 15252-45-6 DOT 3/6.1/8/II

17631 5 G

**ITEM 3291****5-HEXYN-1-OL, 97%****ITEM 3202**

Not on the TSCA inventory.

 $\text{HC}\# \text{C}(\text{CH}_2)_3\text{CH}_2\text{OH}$ F.W. 98.15Assay (GC-FID), 96.5% min
H₂O (KF), 0.5% max

CAS # 928-90-5 DOT NR

81970 2 G
81971 10 G
81972 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.880

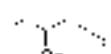
**5-HEXYN-3-OL, 98%****ITEM 3392** $\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{C}\equiv\text{CH}$ F.W. 98.15

Assay (GC-FID), 97.5% min

CAS # 19780-84-8 DOT 3/III

89531 5 G
89532 25 G
89533 100 G

Specific Gravity 0.892

**3-HEXYN-2-ONE, 97%****ITEM 3203**

Requires refrigeration. Not on the TSCA inventory. 1-Butynyl Methyl Ketone

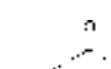
 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCOCH}_3$ F.W. 96.13

Assay (GC-FID), 96.5% min

CAS # 1679-36-3 DOT 6.1/3/II

81981 10 G
81982 50 G

Specific Gravity 0.878

**HYDRAZINE MONOHYDRATE, REAGENT ITEM 1160**

Hydrazinium hydroxide

 $\text{H}_2\text{NNH}_2 \cdot \text{H}_2\text{O}$ F.W. 50.06Assay (RP-Titration) 99 - 102.5%
Residue after evaporation, 0.05% max
Heavy metals, 0.001% maxColor (APHA), 15 max
Sulfate, 0.01% max
Iron, 0.001% max

CAS # 7803-57-8 DOT 8/6.1/II NFPA # 3-2-3

42181 500 ML
42182 100 ML

Also available in semi bulk and bulk volumes.

Specific Gravity 1.032

HYDRAZINE, 35% (W/W) AQUEOUS SOLUTION**ITEM 3588** H_2NNH_2 F.W. 32.05Concentration (RP-Titration),
33.0% - 37.0% Appearance - Clear, colorless liquid

CAS # 302-01-2 DOT 6.1/III NFPA # 3-0-0

42231 100 ML
42232 500 ML
42233 2.5 L

Specific Gravity 1.011

HYDROGEN CHLORIDE, 4M IN DIOXANE ITEM 5586

HCl F.W. 36.46

Concentration 3.8-4.2 M

CAS # 7647-01-0 DOT 3/8/II

Please Inquire For Sizing And Pricing

HYDROGEN CHLORIDE, 5-6 N, in ISOPROPYL ALCOHOL**ITEM 2474**

5-6 mol/L. Hydrogen chloride is readily desorbed from the solution, so concentration may drop over time.

HCl F.W. 36.46

Normality (Acid-base titration), 5.0-6.0 N H₂O (KF), 1.5% max

Specific Gravity (g/ml) Report

CAS # 7647-01-0 DOT 3/8/II

43751	1 L
43752	6 X 1 L
43753	4 L
43754	4 X 4 L
43755	20 L

Specific Gravity 0.900

HYDROQUINONE, 99%**ITEM 552**C₆H₄(OH)₂ F.W. 110.11

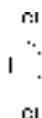
Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - White to off-white crystals/solid

CAS # 123-31-9 DOT NR NFPA # 2-1-1

44001	500 G
44002	2.5 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 1.450

**2-HYDROXYETHYLPHthalimide, 99% ITEM 5528**C₁₀H₉NO₃ F.W. 191.18

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - White to tan crystal/solid

CAS # 3891-07-4 DOT NR

17291	100 G
17292	500 G
17293	2.5 KG

HYDROXYLAMMONIUM CHLORIDE SOLUTION, 20% AQUEOUS**ITEM 1543**

Iron and copper free

NH₂OH•HCl F.W. 69.50

Iron - Pass Test Copper - Pass Test

CAS # 5470-11-1 DOT 8/III NFPA # 2-0-0

44641	500 ML
44642	2.5 L
44643	4 L

HYDROXYLAMMONIUM CHLORIDE SOLUTION, 10% AQUEOUS**ITEM 1083**

Iron and copper free

NH₂OH•HCl F.W. 69.50

Iron - Pass Test Copper - Pass Test

CAS # 5470-11-1 DOT 8/III NFPA # 2-0-0

44621	500 ML
44622	2.5 L
44623	4 L

Specific Gravity 1.040

1,1,1-tris-(HYDROXYLMETHYL)ETHANE, 94%**ITEM 2777**CH₃C(CH₂OH)₃ F.W. 120.15

Assay (GC-FID), 93.0% min Identification by GC/MS - Conforms

CAS # 77-85-0 DOT NR NFPA # 1-0-0

75871	100 G
75872	500 G
75873	2 KG

**4-HYDROXY-4-METHYL-2-PENTANONE, 99%****ITEM 2745**

Diacetone alcohol

(CH₃)₂C(OH)CH₂COCH₃ F.W. 116.16

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 123-42-2 DOT 3/III NFPA # 1-2-0

44781	100 ML
44782	500 ML
44783	4 L

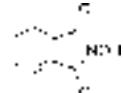
Specific Gravity 0.931

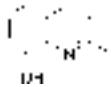
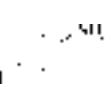
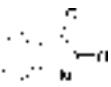
**N-HYDROXPHTHALIMIDE****ITEM 2746**C₈H₅NO₃ F.W. 163.13

Assay 97% min.

CAS # 524-38-9 DOT NR

Please Inquire For Sizing And Pricing



8-HYDROXYQUINALDINE	ITEM 282	4-IDOANILINE, 98%	ITEM 3986
C ₉ H ₇ N(OH)CH ₃ F.W. 159.18 M.p. 69-71 C Assay 98% min CAS # 826-81-3 DOT NR NFPA # 1-1-0	44903 100 g	IC ₆ H ₄ NH ₂ F.W. 219.03 Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms CAS # 540-37-4 DOT NR	
			
8-HYDROXYQUINOLINE, 99%, REAGENT (ACS)	ITEM 142	4-IODOPYRIDINE, 98%	ITEM 3565
8-Quinolinol. Organic precipitant.		Refrigeration required. NOT on the TSCA Inventory.	
C ₉ H ₆ NOH F.W. 145.15		C ₅ H ₄ IN F.W. 205.00	
Assay (GC-FID), 98.5% min Residue after ignition 0.05% Insoluble in alcohol 0.05%	Sulfate 0.02% Melting point 72.5 - 74.0 C Suitability for magnesium determination -Pass Test	Assay (GC-FID), 97.5% min	
CAS # 148-24-3 DOT NR NFPA # 1-1-0	45006 25 G 45001 100 G 45002 500 G	CAS # 15854-87-2 DOT NR	
			
8-HYDROXYQUINOLINE SULFATE, 97% ITEM 1287		ISATIN, 98%	ITEM 2747
C ₉ H ₇ NO•1/2H ₂ SO ₄ •1/2H ₂ O F.W. 203.21		C ₈ H ₅ NO ₂ F.W. 147.13	
Assay (Acid/base titration), 96.5% - 103.5% H ₂ O (KF), 5.0% max Appearance - Yellow powder / solid		Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms	
CAS # 134-31-6 DOT NR NFPA # 1-1-0	45011 100 G 45012 500 G	CAS # 91-56-5 DOT NR	
			
Also available in semi bulk and bulk volumes.			
14-HYDROXY-10,12-TETRADECADIENOIC ACID, 97%	ITEM 3205	ISOAMYL ALCOHOL, REAGENT (ACS)	ITEM 2295
Requires refrigeration. Not on the TSCA inventory.		Isopentyl Alcohol	
HOCH ₂ C≡CC≡C(CH ₂) ₈ COOH F.W. 236.31		C ₅ H ₁₁ OH F.W. 88.15	
Assay (GC-FID by Esterification), 96.5% min Identification by GC/MS - Conforms Appearance - White to purple powder/crystal		Assay 98.5% min. Water 0.5% Titrable acid 0.002 meq/g Residue after evaporation 0.003% Acids and esters (as amyl acetate) 0.2% Carbonyl (as HCHO) 0.1%	
CAS # 86840-72-4 DOT 9/III	82001 1 G 82002 5 G	CAS # 123-51-3 DOT 3/III	
			

E-Mail Development@GFS Chemicals.com to
Inquire about Scale Up or Process Quantities.

ISOAMYL ALCOHOL, 95%

Isopentanol. Iron and copper free.

 $C_5H_{11}OH$ F.W. 88.15

Assay (GC-FID), 94% min

Copper Pass Test

CAS # 123-51-3

DOT 3/III

ITEM 1082

Iron Pass Test

46001 500 ML

46003 4 L

46004 4 X 4 L

Specific Gravity 0.809

NFPA # 1-2-0

**ISOPROPENYLMAGNESIUM BROMIDE,
in ETHYL ETHER****ITEM 5292**

Not on the TSCA inventory.

 $H_2C=C(CH_3)MgCl$ F.W. 157.29

Concentration - report

CAS # 13291-18-4 DOT 4.3/3/I

Please Inquire For Sizing And Pricing

**ISOPROPENYLMAGNESIUM BROMIDE,
in TETRAHYDROFURAN****ITEM 5291**

Not on the TSCA inventory.

 $H_2C=C(CH_3)MgBr$ F.W. 145.28

Active Concentration, 0.45 M - 0.55 M Density (g/ml), Report

CAS # 13291-18-4 DOT 4.3/3/I NFPA # 3-4-3

17523 1 L

17524 4L

17522 19 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.927

**ISOPROPENYLMAGNESIUM BROMIDE,
1.5 M, in METHYL TETRAHYDROFURAN****ITEM 5561**

Not on the TSCA inventory list.

 $H_2C=C(CH_3)MgBr$ F.W. 145.28

Active Concentration, 1.5M min. Density(g/ml), Report

CAS # 13291-18-4 DOT 4.3/3/I NFPA # 3-4-3

Please Inquire For Sizing And Pricing

ISOPROPYL ALCOHOL, REAGENT (ACS)**ITEM 2294**

Isopropanol

 CH_3CHOCH_3 F.W. 60.10

Assay 99.5% min.

Carbonyl Compounds
(as propionaldehyde) 0.002%Carbonyl Compounds
(as acetone) 0.002%

Color (APHA) 10 max.

Residue after evaporation 0.001%

Solubility in water - pass test

Water 0.2%

Titratable acid or base 0.0001 meq/g

CAS # 67-63-0 DOT 3/II NFPA # 1-3-0

46124 1 L

46125 6 X 1 L

46121 4 L

46122 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.786

ISOBUTYL BROMIDE, 99%**ITEM 4527** $(CH_3)_2CHCH_2Br$ F.W. 137.02Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 78-77-3 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 1.272

ISOPENTANE, 99%**ITEM 2961**

2-Methylbutane

 $CH_3CH_2CH(CH_3)_2$ F.W. 72.15

Assay (GC-FID), 98.5% min Appearance - Clear, colorless liquid

CAS # 78-78-4 DOT 3/I NFPA # 1-4-0

46081 500 ML

46082 6 X 500 ML

46085 4 L

46086 4 X 4 L

Specific Gravity 0.620

.....

.....

.....

.....

ISOPROPYL ALCOHOL, REAGENT (ACS)**ITEM 2294**

Isopropanol

 CH_3CHOCH_3 F.W. 60.10

Assay 99.5% min.

Carbonyl Compounds
(as propionaldehyde) 0.002%Carbonyl Compounds
(as acetone) 0.002%

Color (APHA) 10 max.

Residue after evaporation 0.001%

Solubility in water - pass test

Water 0.2%

Titratable acid or base 0.0001 meq/g

CAS # 67-63-0 DOT 3/II NFPA # 1-3-0

46124 1 L

46125 6 X 1 L

46121 4 L

46122 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.786

.....

**ISOPROPYLMAGNESIUM BROMIDE, 0.8 M,
in TETRAHYDROFURAN** **ITEM 5195**(CH₃)₂CHMgBr F.W. 147.30

Concentration 0.80 ± 0.10 M

CAS # 920-39-8 DOT 4.3/3/I NFPA # 3-4-3

Please Inquire For Sizing And Pricing
Specific Gravity 0.966**MAGNESIUM, METAL TURNINGS,
REAGENT** **ITEM 1167**

Mg F.W. 24.30

Assay 99.5% min. Suitability for Grignard-pass test

CAS # 7439-95-4 DOT 4.1/III NFPA # 0-2-2

48751 500 G
48752 2.5 KG**MAGNESIUM ACETYLACETONATE, 98% ITEM A4581**Mg(C₅H₇O₂)₂•2H₂O F.W. 258.56

CAS # 14024-56-7 DOT NR

48771 100 G

MALEIC ANHYDRIDE, 98% **ITEM 4559**C₄H₂O₃ F.W. 98.06

Assay 98% min.

CAS # 108-31-6 DOT 8/III

16121 50 G
16122 500 G
16123 2 KG**MANNITOL, REAGENT (ACS)** **ITEM 948**HOCH₂(CHOH)₄CH₂OH F.W. 182.17

Reducing sugars - Pass test

Insoluble 0.01%

Residue after ignition 0.01%

Heavy metals (as Pb) 0.0005%

CAS # 69-65-8 DOT NR NFPA # 0-2-1

49651 500 G
49652 2.5 KG

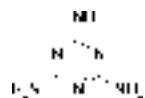
Also available in semi bulk and bulk volumes.

MELAMINE, 99%**ITEM 2937**C₃N₃(NH₂)₃ F.W. 126.12

Assay 99% min.

CAS # 108-78-1 DOT NR

NFPA # 1-0-0

84901 500 G
84902 2.5 KG
84903 10 KG**METHANESULFONIC ACID, 98%****ITEM 4326**CH₃SO₃H F.W. 96.10

Assay (Acid-Base titration), 98.0% - 102.0%

CAS # 75-75-2 DOT 8/6.1/II

16141 50 ML
16142 250 ML
16143 1 L

Specific Gravity 1.481

1-METHOXY-1-BUTEN-3-YNE**ITEM 3889**

Mixed isomers, typically >85% trans

HC≡CCH=CHOCH₃ F.W. 82.10Assay (cis/trans total), 97.5% min. Appearance - Clear, colorless to amber liquid
Stabilizer (BHT/K2CO₃), Confirm presence

CAS # 2798-73-4 DOT 3/II

15051 1 G
15052 5 G
15053 25 G
15054 200 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.886

**7-METHOXY-1-HEPTENE****ITEM 5351**

6-Hepten-1-ol methyl ether. Not on the TSCA inventory.

CH₃O(CH₂)₅CH=CH₂ F.W. 128.21

CAS # 5048-31-7 DOT 3/III

Please Inquire For Sizing And Pricing



**3-METHOXYPHENYLPROPARGYL
ALCOHOL, 97%****ITEM 3206**

Not on the TSCA inventory.

 $\text{CH}_3\text{OC}_6\text{H}_4\text{C}\equiv\text{CCH}_2\text{OH}$ F.W. 162.19Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 27913-19-5 DOT 9/III

82011 5 G
82012 25 G
82013 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.992

METHYL ALCOHOL, REAGENT (ACS) ITEM 1679

Low acetone. Methanol

 CH_3OH F.W. 32.04Assay 99.8% min.
Substances reducing permanganate Pass test

Water 0.1%

Solubility in water Pass test

Titratable acid 0.0003 meq/g

CAS # 67-56-1 DOT 3/II NFPA # 3-3-1

50394 1 L
50395 6 X 1 L
50391 4 L
50392 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.790

METHYL ALCOHOL**ITEM 814**

Iron and copper free. Methanol

 CH_3OH F.W. 32.04Iron, 5 ppm max
Color (APHA), 10 max

CAS # 67-56-1 DOT 3/II NFPA # 3-3-1

50401 4 L GLASS
50403 4 X 4 L GL
50404 20 L CAN
50406 4 L PLAST.
50407 4 X 4 L PL
50408 20 L PLAST

Specific Gravity 0.790

3-METHYLAMINO-1-BUTYNE**ITEM 3890**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}(\text{NHCH}_3)\text{C}\equiv\text{CH}$ F.W. 83.13

CAS # 4070-90-0 DOT 3/8/II

Please Inquire For Sizing And Pricing

**3-METHYL-1,2-BUTADIENE, 97%****ITEM 3207**

Not on the TSCA inventory.

 $(\text{CH}_3)_2\text{C}=\text{CCH}_2$ F.W. 68.12Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 598-25-4 DOT 3/II

Please Inquire For Sizing And Pricing
Specific Gravity 0.620**3-METHYL-1-BUTENE****ITEM 4406**

97%

 $(\text{CH}_3)_2\text{CHCH}=\text{CH}_2$ F.W. 70.14

Assay (GC-FID) 96.5%

CAS # 563-45-1 DOT 3/I

Please Inquire For Sizing And Pricing
Specific Gravity 0.627**2-METHYL-1-BUTEN-3-YNE, 99%****ITEM 3208**

Not on the TSCA inventory.

 $\text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{C}\equiv\text{CH}$ F.W. 66.10Assay (GC-FID), 98.5% min
Appearance - Clear, colorless to yellow liquid
Stabilizer (BHT), Confirm presence

CAS # 78-80-8 DOT 3/I

82030 5 G
82033 25 G
82034 100 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.704**METHYL tert-BUTYL ETHER,
REAGENT (ACS)****ITEM 2268**

MTBE

 $(\text{CH}_3)_3\text{COCH}_3$ F.W. 88.15Assay 99.0% min.
Peroxide (as H_2O_2) 0.0001%
Water 0.05%

CAS # 1634-04-4 DOT 3/II NFPA # 1-3-0

18463 1 L
18464 6 X 1 L
18461 4 L
18462 4 X 4 L
18465 20 L

Specific Gravity 0.740

3-METHYL-1-BUTYNE, 96%

Not on the TSCA inventory.

(CH₃)₂CHC#CH F.W. 68.13Assay (GC-FID), 95% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid / gas

CAS # 598-23-2 DOT 3/I

82041 10 G
82042 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.666

ITEM 3209**METHYL 2-BUTYNOATE, 96%**

Not on the TSCA inventory.

CH₃C≡CCOOCH₃ F.W. 98.10Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 23326-27-4 DOT 3/III

50491 10 G
50492 50 G

Specific Gravity 0.981

2-METHYL-3-BUTYN-2-OL, 98%**ITEM 3448**HC≡CC(CH₃)₂(OH) F.W. 84.13Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 115-19-5 DOT 3/II NFPA # 3-3-0

82051 250 G
82052 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.862

2-METHYL-3-BUTYN-2-YL 2-TETRAHYDROPYRANYL ETHER, 98% ITEM 5185C₁₀H₁₆O₂ F.W. 168.24

Assay 98%

CAS # 27943-46-0 DOT NR

Please Inquire For Sizing And Pricing

1-METHYL-1,4-CYCLOHEXADIENE, 97% ITEM 3211

Not on the TSCA inventory.

C₆H₇CH₃ F.W. 94.16Assay (GC-FID), 96.5% min Inhibitor (BHT), Confirm presence
Appearance - Clear, colorless liquid / gas

CAS # 4313-57-9 DOT 3/II

82063 5 G
82061 25 G
82062 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.838

METHYL ETHYL KETONE, REAGENT (ACS) ITEM 959

2-Butanone

CH₃COC₂H₅ F.W. 72.11Assay 99.0% min. Residue after evaporation 0.0025%
Titrable acid 0.0005 meq/g Water 0.2%
Color(APHA) 15 max.

CAS # 78-93-3 DOT 3/II NFPA # 1-3-0

50641 500 ML
50642 4 L
50643 4 X 4 L

Specific Gravity 0.807

2-METHYL-1-HEPTEN-3-YNE**ITEM 3892**

Not on the TSCA inventory.

CH₃(CH₂)₂C≡C(CH₃)=CH₂ F.W. 108.18

CAS # 17669-40-8

Please Inquire For Sizing And Pricing

3-METHYL-6-HEPTEN-1-YN-3-OL**ITEM 3893**

Not on the TSCA inventory.

HC≡CC(OH)(CH₃)(CH₂)₂CH=CH₂ F.W. 124.18

CAS # 51193-99-8

Please Inquire For Sizing And Pricing

6-METHYL-6-HEPTEN-4-YN-2-OL**ITEM 3894**

Not on the TSCA inventory.

 $\text{CH}_2=\text{C}(\text{CH}_3)\text{C}\equiv\text{CCH}_2\text{CH(OH)CH}_3$ F.W. 124.18

CAS # 20937-57-9

Please Inquire For Sizing And Pricing

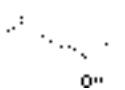
**6-METHYL-6-HEPTEN-4-YN-3-OL****ITEM 3895**

Not on the TSCA inventory.

 $\text{CH}_2=\text{C}(\text{CH}_3)\text{C}\equiv\text{CCH}(\text{OH})\text{CH}_2\text{CH}_3$ F.W. 124.18

CAS # 95764-76-4

Please Inquire For Sizing And Pricing

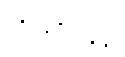
**6-METHYL-2-HEPTYNE****ITEM 3896**

Not on the TSCA inventory.

 $(\text{CH}_3)_2\text{CH}(\text{CH}_2)_2\text{C}\equiv\text{CCH}_3$ F.W. 110.20

CAS # 51065-64-6

Please Inquire For Sizing And Pricing

**6-METHYL-3-HEPTYNE, 98%****ITEM 3897**

Not on the TSCA inventory.

 $(\text{CH}_3)_2\text{CHCH}_2\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 110.20Assay (GC-FID), 97.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 54050-92-9 DOT 3/III

17231	5 G
17232	25 G
17233	100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.742

**METHYL 2-HEPTYNOATE****ITEM 3898**

Not on the TSCA inventory.

 $\text{CH}_3\text{C}\equiv\text{CC}(\text{CH}_2)_3\text{COOCH}_3$ F.W. 140.18

CAS # 18937-78-5

Please Inquire For Sizing And Pricing

**3-METHYL-1-HEPTYN-3-OL****ITEM 3899**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{CC}(\text{CH}_3)(\text{OH})(\text{CH}_2)_3\text{CH}_3$ F.W. 126.20

CAS # 17356-17-1

Please Inquire For Sizing And Pricing

**3-METHYL-4-HEPTYN-3-OL****ITEM 3900**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 126.20

CAS # 71065-39-9

Please Inquire For Sizing And Pricing

**4-METHYL-1-HEPTYN-3-OL****ITEM 3901**

Not on the TSCA inventory.

 $\text{HC}\#\text{CCH}(\text{OH})\text{CH}(\text{CH}_3)(\text{CH}_2)_2\text{CH}_3$ F.W. 126.20

CAS # 87777-46-6

Please Inquire For Sizing And Pricing

**4-METHYL-2-HEPTYN-4-OL****ITEM 3902**

Not on the TSCA inventory.

 $\text{CH}_3\text{C}\equiv\text{CC}(\text{OH})(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_3$ F.W. 126.20

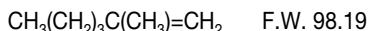
CAS # 4376-16-3

Please Inquire For Sizing And Pricing



2-METHYL-1-HEXENE, 97%**ITEM 3212**

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 6094-02-6 DOT 3/II NFPA # 1-3-0

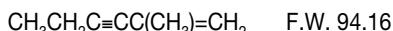
82071 10 G

82072 50 G

Specific Gravity 0.697

2-METHYL-1-HEXEN-3-YNE, 98%**ITEM 3214**

Preserved with BHT. Product requires refrigeration. Not on the TSCA inventory.



Assay (GC-FID), 97.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 23056-94-2 DOT 9/III

82093 5 G

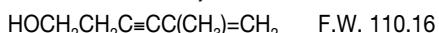
82091 25 G

82092 100 G

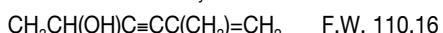
Specific Gravity 0.757

5-METHYL-5-HEXEN-3-YN-1-OL**ITEM 3903**

Not on the TSCA inventory.

**5-METHYL-5-HEXEN-3-YN-2-OL****ITEM 3904**

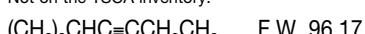
Not on the TSCA inventory.



CAS # 68017-33-4

2-METHYL-3-HEXYNE**ITEM 3905**

Not on the TSCA inventory.

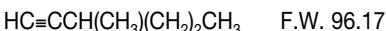


CAS # 36566-80-0 DOT 3/II

50732 10 G

3-METHYL-1-HEXYNE**ITEM 3906**

Not on the TSCA inventory.



CAS # 40276-93-5 DOT 3/II

5-METHYL-1-HEXYNE, 98%**ITEM 3907**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

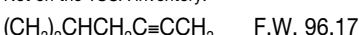
CAS # 2203-80-7 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.735

5-METHYL-2-HEXYNE**ITEM 3908**

Not on the TSCA inventory.



CAS # 53566-37-3 DOT 3/II

Please Inquire For Sizing And Pricing

METHYL 2-HEXYNOATE**ITEM 3909**

Not on the TSCA inventory.



CAS # 18937-79-6

50741 5 G

50742 25 G

Specific Gravity 0.946

METHYL 5-HEXYNOATE, 95%

Not on the TSCA inventory

 $\text{HC}\equiv\text{C}(\text{CH}_2)_3\text{COOCH}_3$ F.W. 126.16Assay (GC-FID), 94% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 77758-51-1 DOT NR

82101	5 G
82102	25 G
82103	100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.967

ITEM 3215**2-METHYL-3-HEXYN-2-OL, 98%**

Not on the TSCA inventory.

 $(\text{CH}_3)_2\text{C}(\text{OH})\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 112.17Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 5075-33-2 DOT 3/III

83731	10 G
83732	50 G

Specific Gravity 0.856

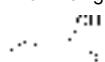
**3-METHYL-1-HEXYN-3-OL****ITEM 3911**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{CC}(\text{OH})(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_3$ F.W. 112.17

CAS # 4339-05-3

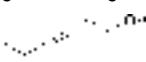
Please Inquire For Sizing And Pricing

**5-METHYL-3-HEXYN-1-OL****ITEM 3913**

Not on the TSCA inventory.

 $\text{HOCH}_2\text{CH}_2\text{C}\equiv\text{CCH}(\text{CH}_3)_2$ F.W. 112.17

Please Inquire For Sizing And Pricing

**METHYL 4-HYDROXYBENZOATE, 99%****ITEM 2555**

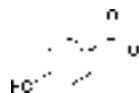
Methyl Paraben

 $\text{HOCH}_2\text{CO}_2\text{CH}_3$ F.W. 152.15

Assay 99% min.

CAS # 99-76-3 DOT NR NFPA # 1-1-0

50661	250 G
50662	1 KG

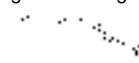
**2-METHYL-1-OCTEN-3-YNE****ITEM 3914**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CC}(\text{CH}_3)=\text{CH}_2$ F.W. 122.21

CAS # 17603-76-8

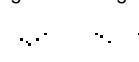
Please Inquire For Sizing And Pricing

**7-METHYL-1-OCTYNE****ITEM 3916**

Not on the TSCA inventory.

 $\text{HC}\equiv\text{C}(\text{CH}_2)_4\text{CH}(\text{CH}_3)_2$ F.W. 124.23

Please Inquire For Sizing And Pricing

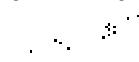
**7-METHYL-3-OCTYNE****ITEM 3917**

Not on the TSCA inventory.

 $\text{CH}_3\text{CH}_2\text{C}\equiv\text{C}(\text{CH}_2)_2\text{CH}(\text{CH}_3)_2$ F.W. 124.23

CAS # 37050-06-9

Please Inquire For Sizing And Pricing

**METHYL 2-OCTYNOATE, 98%****ITEM 3918** $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCOOCH}_3$ F.W. 154.21Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 111-12-6

Please Inquire For Sizing And Pricing



2-METHYL-5-OCTYN-4-OL, 98%

Not on the TSCA inventory

CH3CH2C≡C(O)CH2CH(CH3)2 F.W. 140.22
 Assay (GC-FID), 97.5% min

CAS # 60657-70-7 DOT 9/III

82111 10 G
 82112 50 G
 Specific Gravity 0.855

ITEM 3216**3-METHYL-1-OCTYN-3-OL**

HC≡CC(OH)(CH3)(CH2)4CH3 F.W. 140.22

CAS # 23580-51-0

Please Inquire For Sizing And Pricing

4-METHYL-2-OCTYN-4-OL**ITEM 3920**

Not on the TSCA inventory.

CH3C≡C(OH)(CH3)(CH2)3CH3 F.W. 140.22

CAS # 74514-59-3

Please Inquire For Sizing And Pricing

3-METHYL-3-OXETANEMETHANOL, 98% ITEM 3217

Not on the TSCA inventory.

C5H10O2 F.W. 102.13

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
 Appearance - Clear, colorless liquid

CAS # 3143-02-0 DOT 9/III

82121 25 G
 82122 100 G

Also available in semi bulk and bulk volumes.
 Specific Gravity 1.024

METHYL 10,12-PENTACOSADIYNOATE, 98%**ITEM 3218**

Requires refrigeration. Not on the TSCA inventory.

CH3(CH2)11C≡CC≡C(CH2)8COOCH3 F.W. 388.61

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 120650-77-3 DOT 9/III

82131 2 G
 82132 10 G

2-METHYL-2,4-PENTANEDIOL, 99%**ITEM 2992**

Hexylene glycol

CH3CH(OH)CH2C(OH)(CH3)2 F.W. 118.17

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
 Appearance - Clear, colorless liquid

CAS # 107-41-5 DOT NR

50691 1 L
 50692 6 X 1 L
 50693 4 L
 50694 4 X 4 L

Specific Gravity 0.921

3-METHYL-1-PENTANOL, 97%**ITEM 3219**

CH3CH2CH(CH3)CH2CH2OH F.W. 102.17

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
H2O (KF), 0.5% max Appearance - Clear, colorless liquid

CAS # 589-35-5 DOT 3/III

82141 25 G
 82142 100 G

Specific Gravity 0.823

3-METHYL-2-PENTANONE, 97%**ITEM 3220**

Not on the TSCA inventory.

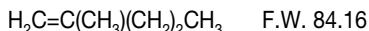
CH3CH2CH(CH3)COCH3 F.W. 100.16

Assay (GC-FID), 96.5% min

CAS # 565-61-7 DOT 3/II

82153 5 G
 82151 25 G
 82152 100 G

Specific Gravity 0.815

2-METHYL-1-PENTENE**ITEM 3921**

CAS # 763-29-1 DOT 3/II

Please Inquire For Sizing And Pricing

ITEM 3398**4-METHYL-1-PENTYNE, 98%**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min

CAS # 7154-75-8 DOT 3/II

89561 10 G**89562 50 G****89563 250 G**

Specific Gravity 0.709

ITEM 3398**2-METHYL-1-PENTEN-3-YNE****ITEM 3922**

Not on the TSCA inventory.



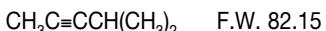
CAS # 926-55-6 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.752

ITEM 3925

Not on the TSCA inventory.

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

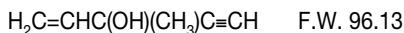
CAS # 21020-27-9 DOT 3/II

16821 10 G**16822 50 G**

Specific Gravity 0.716

3-METHYL-1-PENTEN-4-YN-3-OL**ITEM 3449**

Not on the TSCA inventory.



CAS # 3230-69-1 DOT 3/III

50721 10 G**50722 50 G**

Specific Gravity 0.890

ITEM 3926

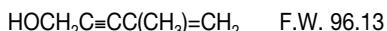
Not on the TSCA inventory.

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 24342-04-9 DOT 3/III

4-METHYL-4-PENTEN-2-YN-1-OL**ITEM 3923**

Not on the TSCA inventory.



Please Inquire For Sizing And Pricing

ITEM 3927

Not on the TSCA inventory.

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 590-38-5 DOT 3/III

15111 5 G

Specific Gravity 0.873

3-METHYL-1-PENTYNE, 97%**ITEM 3421**

Not on the TSCA inventory.

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 922-59-8 DOT 3/II

Please Inquire For Sizing And Pricing

3-METHYL-1-PENTYN-3-OL, 98+%**ITEM 3222**

F.W. 98.15

Assay (GC-FID), 98.0% min

Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 77-75-8

DOT 3/III

82171 100 G
82172 500 G

Specific Gravity 0.869

**4-METHYL-1-PENTYN-3-OL, 98%****ITEM 3223**

Not on the TSCA inventory.



F.W. 98.15

Assay (GC-FID), 97.5% min
KF (H₂O), 0.5% maxIdentification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 565-68-4

DOT 3/III

82181 10 G
82182 50 G
Specific Gravity 0.929**4-METHYL-1,10-PHENANTHROLINE, 97%** **ITEM 651**

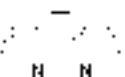
F.W. 194.24

Assay (GC-FID), 96.5% min

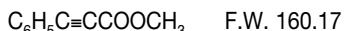
Identification by GC/MS - Conforms

CAS # 31301-28-7

DOT NR

50701 1 G
50702 5 G
50703 25 G
50704 100 G**METHYL PHENYLPROPIOLATE, 98+%** **ITEM 3224**

Not on the TSCA inventory.

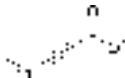


F.W. 160.17

Assay (GC-FID), 98.0% min

CAS # 4891-38-7

DOT 9/III

82191 10 G
82192 50 G
82193 250 G
82194 1 KG**N-METHYLPROPARGYLAMINE, 98+%****ITEM 3928**

Not on the TSCA inventory.



F.W. 69.11

Assay (GC-FID), 98.0% min

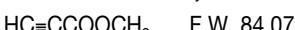
Identification by GC/MS - Conforms

Appearance - Clear, colorless to amber liquid

CAS # 35161-71-8 DOT 3/8/II

15131 1 G
15132 5 G**METHYL PROPIOLATE, 98%****ITEM 3225**

Not on the TSCA Inventory.



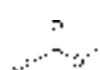
F.W. 84.07

Assay (GC-FID), 97.5% min

CAS # 922-67-8 DOT 3/II

82201 10 G
82202 50 G

Specific Gravity 0.945

**METHYL SULFOXIDE,
Distilled in quartz solvent****ITEM 9610**

Dimethyl sulfoxide; DMSO



F.W. 78.13

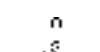
Assay 99.5% min.

CAS # 67-68-5 DOT NR NFPA # 1-1-0

T 51162 500 ML
T 51161 2 L

T = Teflon® Bottle

Specific Gravity 1.101

**METHYL SULFOXIDE, REAGENT (ACS)****ITEM 961**

Dimethyl Sulfoxide, DMSO



F.W. 78.13

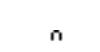
Appearance - Clear, colorless liquid
Residue after evaporation 0.01%
H₂O (KF), 0.1% maxAssay (GC-FID), 99.9% min
Titrable acid, 0.001 meq/g

CAS # 67-68-5 DOT NR NFPA # 1-1-0

51151 500 ML
51153 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 1.095



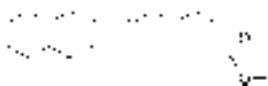
METHYL 2,4-TRICOSADIENOATE**ITEM 5224**

Not on the TSCA inventory.

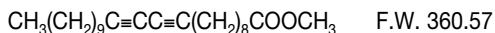


DOT NR

Please Inquire For Sizing And Pricing

**METHYL 10,12-TRICOSADIENOATE, 98% ITEM 3226**

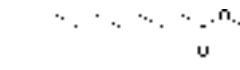
Not on the TSCA inventory.



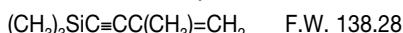
Assay (GC-FID), 97.5% min Melting point 18-19 C

CAS # 145609-79-6 DOT 9/III

82211	2 G
82212	10 G

**2-METHYL-4-TRIMETHYLSILYL-1-BUTEN-3-YNE, 97% ITEM 3227**

Not on the TSCA inventory.

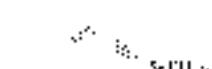


Assay (GC-FID), 96.5% min

CAS # 18387-60-5 DOT 9/III

82221	10 G
82222	50 G

Specific Gravity 0.776

**2-METHYL-4-TRIMETHYLSILYL-3-BUTYN-2-OL, 98% ITEM 3228**

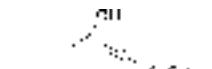
Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 5272-33-3 DOT 9/III

82231	10 G
82232	50 G

**3-METHYL-3-TRIMETHYLSILYL-1-BUTYNE, 97% ITEM 3229**

Requires refrigeration. Not on the TSCA inventory.



Assay (GC-FID), 96.5% min

CAS # 17869-77-1 DOT 3/II

82241	10 G
82242	50 G

Specific Gravity 0.808

3-METHYL-1-TRIMETHYLSILYL-1-PENTYN-3-OL (±), 98% ITEM 3231

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min

CAS # 17889-43-9 DOT 9/III

82251	5 G
82252	50 G

Specific Gravity 0.844

METHYL 10-UNDECYNOATE, 98% ITEM 3232

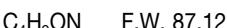
Not on the TSCA inventory.

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 2777-66-4 DOT 9/III

82261	5 G
82262	25 G

Specific Gravity 0.908

MORPHOLINE, REAGENT (ACS) ITEM 967Assay (GC-FID), 99.0% min Color (APHA) 15
Boiling range 126.0-130.0 C

CAS # 110-91-8 DOT 8/3/I NFPA # 2-3-1

51572	500 ML
51574	4 L

Specific Gravity 1.007

NAPHTHALENE, SCINTILLATION GRADE ITEM 4856 $C_{10}H_8$ F.W. 128.17Assay (GC) 99.0% min.
IR Spectrum - Conforms to structureAppearance - White crystals or flakes
Solubility (5% in methanol) -
Clear and colorless

CAS # 91-20-3 DOT 4.1/II

15521 25 G
15522 100 G
15523 500 G**NAPHTHALENE, 99%, PURIFIED****ITEM A5184** $C_{10}H_8$ F.W. 128.17

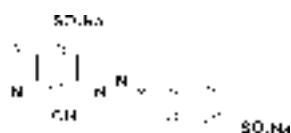
Assay (GC-FID), 98.5% min

CAS # 91-20-3 DOT 4.1/III NFPA # 1-2-0

51651 500 G
51652 2.5 KG**NAPHTHYLAZOXINE S****ITEM 396**7-(6-Sulfo-2-Naphthylazo)-8-Hydroxyquinoline-5-Sulfonic Acid Sodium Salt
Indicator for complexometric titrations. Fritz, Abbink and Payne, Anal. Chem., 33,1381 (1961) $(NaO_3S)C_{10}H_6N=NC_9H_4N(OH)(SO_3Na)$ F.W. 503.42

Solubility in water Pass Test

CAS # 56932-43-5 DOT NR

52001 5 G
52002 25 G**N-(1-NAPHTHYL)ETHYLENEDIAMINE DIHYDROCHLORIDE, REAGENT (ACS) ITEM 968**

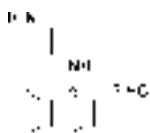
Material is light sensitive, protect from light.

 $C_{10}H_7NHCH_2CH_2NH_2 \bullet 2HCl$ F.W. 259.19Assay (anhydrous basis) 98% min. Sensitivity to sulfanilamide Pass Test
Solubility Pass Test Water 5.0% max

CAS # 1465-25-4 DOT NR NFPA # 2-1-1

52051 25 G
52052 100 G

Also available in semi bulk and bulk volumes.

**NEOPENTYL ALCOHOL, 98%****ITEM 2531** $(CH_3)_3CCH_2OH$ F.W. 88.15Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to faint yellow crystal/solid

CAS # 75-84-3 DOT 4.1/II

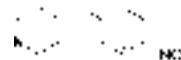
52271 25 G
52272 100 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.818**4-(p-NITROBENZYL)-PYRIDINE, REAGENT ITEM 1106** $NO_2C_6H_4CH_2C_5H_4N$ F.W. 214.23

Melting Point 70-72C

CAS # 1083-48-3 DOT NR

53521 5 G
53522 25 G
53523 100 G

Also available in semi bulk and bulk volumes.

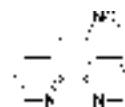
**5-NITRO-1,10-PHENANTHROLINE, 98%****ITEM 155**

Base for oxidation-reduction indicator.

 $NO_2C_{12}H_7N_2$ F.W. 225.20

Assay (Non-aqueous titration), 97.5% - 102.5% Appearance - Yellow to tan crystal/powder

CAS # 4199-88-6 DOT NR

53701 1 G
53702 5 G
53703 10 G**5-NITRO-1,10-PHENANTHROLINE FERROUS PERCHLORATE****ITEM 156**

Oxidation-reduction indicator

 $(NO_2C_{12}H_7N_2)_3Fe(ClO_4)_2$ F.W. 930.37

CAS # 15389-73-8 DOT 5.1/III

53742 5 G
53743 10 G

2-NITROPHENYL PENTYL ETHER**ITEM 2926**

1-Nitro-2-pentyloxybenzene. Used in chemical sensing.

 $O_2NC_6H_4O(CH_2)_4CH_3$ F.W. 209.24

CAS # 39645-91-5

28671	1 ML
28672	5 ML
28673	25 ML

6,8-NONADECADIENOIC ACID, 98%**ITEM 3233**

Not on the TSCA inventory.

 $CH_3(CH_2)_9C\equiv CC\equiv C(CH_2)_4COOH$ F.W. 290.45

Assay (GC-FID by Esterification), 97.5% min Identification by GC/MS - Conforms

Appearance - Off-white to light blue flakes

CAS # 174063-97-9 DOT 9/III

82271	1 G
82272	5 G

9-NONADECYNE**ITEM 3929**

Not on the TSCA inventory.

 $CH_3(CH_2)_7C\equiv C(CH_2)_8CH_3$ F.W. 264.48

CAS # 106073-69-2

Please Inquire For Sizing And Pricing

1,8-NONADIYNE, 98%**ITEM 3234** $HC\equiv C(CH_2)_5C\equiv CH$ F.W. 120.20Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2396-65-8 DOT 3/III NFPA # 1-2-0

82281	10 G
82282	50 G
82283	1 KG

Specific Gravity 0.816

1-NONENE, 98%**ITEM 3235** $CH_3(CH_2)_6CH=CH_2$ F.W. 126.24Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 124-11-8 DOT 3/III

82293	5 G
82291	25 G
82292	100 G

Specific Gravity 0.730

cis-4-NONENE, 97%**ITEM 3237**

Not on the TSCA inventory.

 $CH_3(CH_2)_3CH=CH(CH_2)_2CH_3$ F.W. 126.24Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 10405-84-2 DOT 3/III

82311	10 G
82312	50 G

Specific Gravity 0.730

trans-4-NONENE, 96%**ITEM 3238**

Not on the TSCA inventory.

 $CH_3(CH_2)_3CH=CH(CH_2)_2CH_3$ F.W. 126.24Assay (GC-FID), 95% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2198-23-4 DOT 3/III

82321	5 G
82322	25 G

Specific Gravity 0.732

1-NONEN-3-YNE

Not on the TSCA inventory.

$\text{H}_2\text{C}=\text{CHC}\equiv\text{C}(\text{CH}_2)_4\text{CH}_3$ F.W. 122.21
CAS # 57223-18-4

Please Inquire For Sizing And Pricing

ITEM 3930**ITEM 3240****4-NONYNE, 98+**

Not on the TSCA inventory.

$\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{C}(\text{CH}_2)_2\text{CH}_3$ F.W. 124.23
Assay (GC-FID), 98.0% min
CAS # 20184-91-2 DOT 3/III

82341 10 G
82342 50 G
Specific Gravity 0.757

1-NONEN-4-YNE

Not on the TSCA inventory.

$\text{H}_2\text{C}=\text{CHCH}_2\text{C}\equiv\text{C}(\text{CH}_2)_3\text{CH}_3$ F.W. 122.21
CAS # 31508-12-0 DOT 3/III

Please Inquire For Sizing And Pricing

ITEM 3931**ITEM 3242****2-NONYN-1-OL, 98%**

Not on the TSCA inventory.

$\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{CCH}_2\text{OH}$ F.W. 140.23
Assay (GC-FID), 97.5% min
H₂O (KF), 0.5% max
CAS # 5921-73-3 DOT NR

82361 10 G
82362 50 G
Specific Gravity 0.873

1-NONYNE, 99%**ITEM 3239****ITEM 3243**

$\text{CH}_3(\text{CH}_2)_6\text{C}\equiv\text{CH}$ F.W. 124.23

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
CAS # 3452-09-3 DOT 3/III

82331 10 G
82332 50 G
Specific Gravity 0.757

2-NONYNE, 98%**ITEM 3932****ITEM 3243**

Not on the TSCA inventory.

$\text{CH}_3\text{C}\equiv\text{C}(\text{CH}_2)_5\text{CH}_3$ F.W. 124.23
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid
CAS # 19447-29-1 DOT 3/III

17221 10 G
17222 50 G

Also available in semi bulk and bulk volumes.
Specific Gravity 0.766

$\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCH}_2\text{CH}_2\text{OH}$ F.W. 140.23
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid
CAS # 31333-13-8 DOT NR

82371 10 G
82372 50 G
Specific Gravity 0.888

3-NONYNE, 98%**ITEM 3933****ITEM 3934**

Not on the TSCA inventory.

$\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 124.23
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid
CAS # 20184-89-8

17071 5 G
17072 25 G
17073 100 G
Specific Gravity 0.759

2,5-NORBORNADIENE, 97%**ITEM 5241**

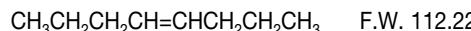
C_7H_8 F.W. 92.14

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.10% max Appearance - Clear, colorless liquid
CAS # 121-46-0 DOT 3/II NFPA # 2-4-1

14310 25 ML
14311 100 ML
14312 500 ML
Specific Gravity 0.854

trans-4-Octene, 98%

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min. Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 14850-23-8 DOT 3/II

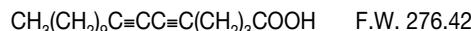
82491 10 G
82492 50 G
82493 250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.715

ITEM 3255**5,7-OCTADECADIYNOC ACID, 97%**

Requires refrigeration. Not on the TSCA inventory.



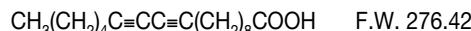
Assay (GC-FID by Esterification), 96.5% min. Assay (HPLC area % at 226 nm), 96.5% min
Identification by GC/MS - Conforms Insolubles / Polymer, 1.5% max
Appearance - White to dark blue solid / flakes

CAS # 136667-54-4 DOT NR

82391 1 G
82392 5 G

10,12-OCTADECADIYNOC ACID, 95% ITEM 3246

Requires refrigeration. Not on the TSCA inventory.



Assay (GC-FID by Esterification), 94.0% min. Identification by GC/MS - Conforms
Appearance - White to light blue solid

CAS # 7333-25-7 DOT NR

82401 2 G
82402 10 G

1-OCTADEcene, 90% ITEM 3429

Assay (GC-FID), 88% min. Appearance - Clear, colorless liquid

CAS # 112-88-9 DOT NR

54041 1 L
54042 6 X 1 L
54043 4 L
54044 4 X 4 L

Specific Gravity 0.788

1-OCTADECYNE, 98%

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min. Identification by GC/MS - Conforms
Amine Removal Process Performed - Pass Test
Appearance - Clear, colorless liquid when > 26 C

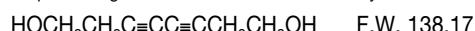
CAS # 629-89-0 DOT NR

12571 10 G
12572 50 G

Specific Gravity 0.803

ITEM 3461**3,5-OCTADIYN-1,8-DIOL, 96% ITEM 3249**

Requires refrigeration. Not on the TSCA inventory.



Assay (GC-FID), 95.0% min. Identification by GC/MS - Conforms
Appearance - Slightly pink to red solid

CAS # 15808-23-8 DOT NR

82431 5 G
82432 25 G

Specific Gravity 0.649

1,7-OCTADIYNE, 97% ITEM 3248

Assay (GC-FID), 96.5% min. Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 871-84-1 DOT 3/II NFPA # 1-3-1

82421 25 G
82422 100 G
82423 5 G
82424 1 KG

Specific Gravity 0.817

1-OCTANOL, REAGENT (ACS)**ITEM 2404**

n-Octyl Alcohol; Suitable for use in determining TSCA partition coefficients



Assay (GC-corrected for H₂O), 98.5% min. Appearance - Clear
Color (APHA) 10 Residue after evaporation 0.004%
Titrable acid 0.0002 meq/g

CAS # 111-87-5 DOT 9/III NFPA # 1-2-0

88241 500 ML
88242 4 L

Specific Gravity 0.827

2-OCTANOL, REAGENT (ACS)

2-Capryl alcohol; Methyl hexyl carbinol

 $C_8H_{18}O$ F.W. 130.23

Assay 99% min.

Color (APHA) 10 max

Titratable acid 0.0002 meq/g

CAS # 123-96-6

DOT NR

NFPA # 1-2-0

54022 1 L

54023 4 L

Specific Gravity 0.819

n.i.
.....**1-OCTENE, 98%****ITEM 3251** $CH_3(CH_2)_5CH=CH_2$ F.W. 112.22

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 111-66-0

DOT 3/II

NFPA # 1-3-0

82451 250 G

82452 1 KG

Specific Gravity 0.715

.....

cis-2-OCTENE, 96%**ITEM 3404** $CH_3(CH_2)_4CH=CHCH_3$ F.W. 112.22

Assay (GC-FID), 95% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 7642-04-8

DOT 3/II

82461 5 G

82462 25 G

Specific Gravity 0.724

.....

trans-2-OCTENE, 97%**ITEM 3252** $CH_3(CH_2)_4CH=CHCH_3$ F.W. 112.22

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 13389-42-9

DOT 3/II

82461 10 G

82462 50 G

82463 500 G

Specific Gravity 0.718

.....

1-OCTEN-4-OL, 98%**ITEM 3456**

Not on the TSCA inventory.

1-OCTEN-4-YNE

Not on the TSCA inventory.

 $\text{H}_2\text{C}=\text{CHCH}_2\text{C}\equiv\text{C}(\text{CH}_2)_2\text{CH}_3$ F.W. 108.19

CAS # 24612-83-7

Please Inquire For Sizing And Pricing

ITEM 3936**OCTYLMAGNESIUM CHLORIDE 1.4M,
IN TETRAHYDROFURAN****ITEM 5197** $\text{CH}_3(\text{CH}_2)_7\text{MgCl}$ F.W. 172.99Active Concentration, 1.40 M \pm 0.20 M Density, g/mL

CAS # 38841-98-4 DOT 4.3/3/I

NFPA # 3-3-3

Please Inquire For Sizing And Pricing

Specific Gravity 0.900

1-OCTYNE, 99%**ITEM 3425** $\text{CH}_3(\text{CH}_2)_5\text{C}\#\text{CH}$ F.W. 110.20Assay (GC-FID), 98.5% min
1-Heptyne, 0.2% max

CAS # 629-05-0

DOT 3/II

NFPA # 1-3-0

Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid**54051** 25 G**54052** 100 G**54053** 500 G

Specific Gravity 0.746

1-OCTYNE, 97%**ITEM 3256** $\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{CH}$ F.W. 110.20Assay (GC-FID), 96.5% min
Appearance - Clear, colorless liquid

CAS # 629-05-0

DOT 3/II

NFPA # 1-3-0

Identification by GC/MS - Conforms

82501 25 G**82502** 100 G**82503** 500 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.746

2-OCTYNE, 99%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCH}_3$ F.W. 110.20

Assay (GC-FID), 98.5% min

CAS # 2809-67-8

DOT 3/III

54061 25 G**54062** 100 G

Specific Gravity 0.756

ITEM 3422**2-OCTYNE, 97%**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{CCH}_3$ F.W. 110.20

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 2809-67-8

DOT 3/III

82511 25 G**82512** 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.756

ITEM 3257**3-OCTYNE, 98%**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 110.20Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 15232-76-5

DOT 3/III

83971 10 G**83972** 50 G

Specific Gravity 0.753

ITEM 3388**4-OCTYNE, 99%** $\text{CH}_3\text{CH}_2\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_2\text{CH}_3$ F.W. 110.20Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

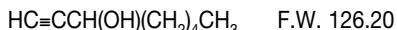
CAS # 1942-45-6

DOT 3/III

82521 10 G**82522** 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.751

1-OCTYN-3-OL, 97%**ITEM 3937**

Assay (GC-FID), 96.5% min
H₂O (KF), 0.5% max

CAS # 818-72-4

Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

DOT NR

17241 10 G

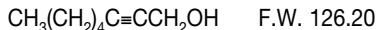
17242 50 G

17243 250 G

Specific Gravity 0.864

2-OCTYN-1-OL, 98%**ITEM 3259**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min
H₂O (KF), 0.5% max

CAS # 20739-58-6

Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

82531 10 G

82532 50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.880

3-OCTYN-1-OL, 98%**ITEM 3260**

Assay (GC-FID), 97.5% min
H₂O (KF), 0.5% max

CAS # 14916-80-4

Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

82541 10 G

82542 50 G

Specific Gravity 0.877

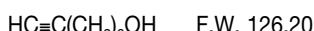
4-OCTYN-2-OL**ITEM 3938**

Not on the TSCA inventory.



CAS # 57355-72-3

Please Inquire For Sizing And Pricing

7-OCTYN-1-OL**ITEM 5517**

CAS # 871-91-0

Please Inquire For Sizing And Pricing

5-OXO-1-CYCLOHEXENECARBOXYLIC ACID**ITEM 3470**

Not on the TSCA inventory, for R&D use only.



CAS # 37051-60-8 DOT NR

Please Inquire For Sizing And Pricing

PARAFORMALDEHYDE, 95%**ITEM 2605**

Assay 95% min.

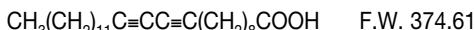
CAS # 30525-89-4 DOT 4.1/III

NFPA # 3-1-0

54761 100 G	54762 500 G
-------------	-------------

10,12-PENTACOSADIYNOIC ACID, 98% **ITEM 3261**

Not on the TSCA inventory.



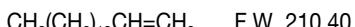
Assay (GC-FID by Esterification),
97.5% min Identification by GC/MS - Conforms

Assay (HPLC - Area % at 226 nm),
97.5% min Appearance - White to light blue solid

CAS # 66990-32-7 DOT NR

82551 5 G	82552 25 G	82553 100 G
-----------	------------	-------------

Also available in semi bulk and bulk volumes.

1-PENTADECENE, 98%**ITEM 3262**

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance: Clear, colorless liquid

CAS # 13360-61-7 DOT 9/III

82561 10 G	82562 50 G
------------	------------

Specific Gravity 0.775

1-PENTADECYNE, 98%**ITEM 3263**CH₃(CH₂)₁₂C≡CH F.W. 208.39Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 765-13-9 DOT NR

82571 5 G
82572 25 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.793**n-PENTANE, REAGENT****ITEM 1075**C₅H₁₂ F.W. 72.15Assay (GC-FID), 97.5% min Boiling range 35-37 C
CAS # 109-66-0 DOT 3/I NFPA # 1-4-054785 1 L
54786 6 X 1 L
54781 4 L
54782 4 X 4 L
54784 19 L

Specific Gravity 0.626

1,5-PENTANEDIOL, 97%**ITEM 3264**HO(CH₂)₅OH F.W. 104.15Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
CAS # 111-29-5 DOT NR NFPA # 1-1-082581 250 G
82582 1 KGAlso available in semi bulk and bulk volumes.
Specific Gravity 0.994**2,4-PENTANEDIONE, 99%****ITEM 2751**

Acetylacetone

CH₃COCH₂COCH₃ F.W. 100.12Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
CAS # 123-54-6 DOT 3/6.1/III NFPA # 2-3-154801 100 ML
54802 1 LAlso available in semi bulk and bulk volumes.
Specific Gravity 0.975**PENTANENITRILE, 98%****ITEM 3371**CH₃(CH₂)₃CN F.W. 83.15Assay (GC-FID), 97.5% min Appearance - Clear, colorless to yellow liquid
CAS # 110-59-8 DOT 3/6.1/III83651 100 G
Specific Gravity 0.795

• • • •

1-PENTENE, 98%**ITEM 3396**CH₃CH₂CH₂CH=CH₂ F.W. 70.14Assay (GC-FID), 97.5% min Appearance - Clear, colorless liquid
CAS # 109-67-1 DOT 3/I89540 100 G
89542 500 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.641

• • • •

cis-2-PENTENE, 96%**ITEM 3265**CH₃CH₂CH=CHCH₃ F.W. 70.14Assay (GC-FID), 95% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 627-20-3 DOT 3/II

82591 5 G
82592 25 G
82593 1 KGAlso available in semi bulk and bulk volumes.
Specific Gravity 0.657

• • • •

trans-2-PENTENE, 99%**ITEM 3266**CH₃CH₂CH=CHCH₃ F.W. 70.14Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 646-04-8 DOT 3/II NFPA # 0-4-0

82601 5 G
82602 25 G
82603 250 GAlso available in semi bulk and bulk volumes.
Specific Gravity 0.649

• • • •

cis-3-PENTEN-1-OL, 98%

Not on the TSCA inventory.



F.W. 86.13

Assay (GC-FID), 97.5% min

CAS # 764-38-5

DOT 3/III

82623 5 G
82624 25 G

Specific Gravity 0.849

- 0-

4-PENTEN-1-OL, 98%

Not on the TSCA inventory.



F.W. 86.13

Assay (GC-FID), 97.5% min

Identification by GC/MS - Confirms

CAS # 821-09-0

DOT 3/III

82631 10 G
82632 50 G
82633 250 G
82634 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.834

- 0-

1-PENTEN-4-YNE, 95%

Not on the TSCA inventory, for R&D use only.



F.W. 66.10

Assay (GC-FID), 94.0% min

Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 871-28-3 DOT 3/II

Please Inquire For Sizing And Pricing

Specific Gravity 0.738

- 0-

trans-2-PENTEN-4-YN-1-OL, 95%

Not on the TSCA inventory.



F.W. 82.10

Assay (GC-FID), 94.0% min

H₂O (KF), 0.5% max

CAS # 5557-88-0

DOT 9/III

54811 10 G
54812 50 G

Specific Gravity 0.880

- 0-

ITEM 3268**1-PENTYNE, 99%****ITEM 3384**

F.W. 68.12

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 627-19-0

DOT 3/II

NFPA # 1-3-0

83831 5 G

83832 25 G

83833 100 G

83834 500 G

Specific Gravity 0.691

- 0-

ITEM 3269**1-PENTYNE, 97%****ITEM 3270**

F.W. 68.12

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 627-19-0

DOT 3/II

NFPA # 1-3-0

82641 25 G

82642 100 G

82643 500 G

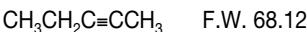
Also available in semi bulk and bulk volumes.

Specific Gravity 0.691

- 0-

ITEM 3942**2-PENTYNE, 98%****ITEM 3271**

Not on the TSCA inventory.



F.W. 68.12

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 627-21-4

DOT 3/II

NFPA # 1-3-0

82653 5 G

82651 25 G

82652 100 G

82654 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.711

- 0-

ITEM 3450**2-PENTYNOIC ACID, 98%****ITEM 3272**

Not on the TSCA inventory.



F.W. 98.10

Assay (Acid-Base Titration),

97.5% min

Assay (GC-FID by Esterification), 97.5% min

Identification by GC/MS - Conforms

CAS # 5963-77-9

DOT NR

82661 5 G

82662 25 G

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

- 0-

4-PENTYNOCIC ACID, 98%**ITEM 3273**

Not on the TSCA inventory.

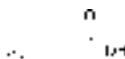
HC≡C(CH₂)₂COOH F.W. 98.10

Assay (GC-FID), 97.5% min
 Identification by GC/MS - Conforms
 H₂O (KF), 0.5% max
 Appearance - White to yellow crystal/solid

CAS # 6089-09-4 DOT 8/III

82671 5 G
82672 25 G
82673 100 G

Also available in semi bulk and bulk volumes.

**1-PENTYN-3-OL, 98%****ITEM 3403**

Not on the TSCA inventory.

HC≡CCH(OH)CH₂CH₃ F.W. 84.12

Assay (GC-FID), 97.5% min

CAS # 4187-86-4 DOT 3/6.1/II

Please Inquire For Sizing And Pricing
 Specific Gravity 0.885

**2-PENTYN-1-OL, 98%****ITEM 3274**CH₃CH₂C≡CCH₂OH F.W. 84.12

Assay (GC-FID), 97.5% min
 H₂O (KF), 0.5% max
 Identification by GC/MS - Conforms
 Appearance - Clear, colorless to yellow liquid

CAS # 6261-22-9 DOT 6.1/3/II

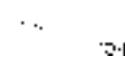
82683 5 G
82682 50 G
 Specific Gravity 0.908

**3-PENTYN-1-OL, 98%****ITEM 3275**CH₃C≡CCH₂CH₂OH F.W. 84.12

Assay (GC-FID), 97.5% min
 H₂O (KF), 0.5% max
 Identification by GC/MS - Conforms
 Appearance - Clear, colorless to yellow liquid

CAS # 10229-10-4 DOT 3/III

82691 10 G
82692 50 G
 Specific Gravity 0.920

**4-PENTYN-1-OL, 98%****ITEM 3276**

Not on the TSCA inventory.

HC≡CCH₂CH₂CH₂OH F.W. 84.12

Assay (GC-FID), 97.5% min
 H₂O (KF), 0.5% max
 Identification by GC/MS - Conforms
 Appearance - Clear, colorless to yellow liquid

CAS # 5390-04-5 DOT NR

82701 10 G
82702 50 G
82703 250 G

Also available in semi bulk and bulk volumes.
 Specific Gravity 0.913

**(±)-4-PENTYN-2-OL, 99%****ITEM 3277**

Not on the TSCA inventory.

CH₃CH(OH)CH₂C≡CH F.W. 84.12

Assay (GC-FID), 98.5% min
 H₂O (KF), 0.5% max
 Identification by GC/MS - Conforms
 Appearance - Clear, colorless to yellow liquid

CAS # 2117-11-5 DOT 3/III

82711 10 G
82712 50 G
 Specific Gravity 0.892

**4-PENTYN-1-YL ACETATE, 96%****ITEM 3278**

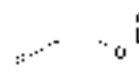
Not on the TSCA inventory.

HC≡C(CH₂)₃O₂CCH₃ F.W. 126.16

Assay (GC-FID), 95% min

CAS # 14604-46-7 DOT NR

82721 10 G
82722 50 G
 Specific Gravity 0.956

**2-PENTYNYL ALDEHYDE DIETHYL ACETAL****ITEM 3944**

Not on the TSCA inventory.

CH₃CH₂C≡CCH(OC₂H₅)₂ F.W. 156.23

CAS # 18229-77-1

Please Inquire For Sizing And Pricing



4-PENTYNYLAMINE, 97%**ITEM 9721**

Not on the TSCA inventory.

 $\text{NH}_2(\text{CH}_2)_3\text{C}\equiv\text{CH}$ F.W. 83.13Assay (GC-FID), 96.5% min
Identification by GC/MS - ConformsH₂O (KF), 5.0% max
Appearance - Clear, colorless to yellow liquid

CAS # 15252-44-5 DOT 3/6.1/8/II

17621

5 G

**N-(4-PENTYNYL)PHTHALIMIDE, 97%****ITEM 5510** $\text{C}_{13}\text{H}_{11}\text{NO}_2$ F.W. 213.23

Assay (GC-FID), 96.5% min

Identification by GC/MS - Conforms

Appearance - White to tan solid

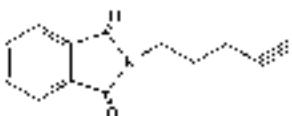
CAS # 6097-07-0 DOT NR

17481

5 G

17482

25 G

**PETROLEUM ETHER, REAGENT (ACS)****ITEM 979**

Ligroin. Mixed Hydrocarbons.

Boiling range 35-60 C

Acidity - Pass Test

Residue after evaporation 0.001%

Color (APHA) 10 max

CAS # 8032-32-4

DOT 3/I

NFPA # 1-4-0

57104

1 L

57105

6 X 1 L

57102

4 L

57103

4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.640

1,7-PHENANTHROLINE, 98%**ITEM 583**

m-Phenanthroline

 $\text{C}_{12}\text{H}_8\text{N}_2$ F.W. 180.22

Assay (Nonaqueous titration), 97.5% - 102.5%

Appearance - White to tan powder/solid

CAS # 230-46-6

DOT NR

57201

1 G

57202

5 G

**4,7-PHENANTHROLINE, 98%****ITEM 584**

p-Phenanthroline

 $\text{C}_{12}\text{H}_8\text{N}_2$ F.W. 180.22

Assay (Non-aqueous titration), 97.5% - 02.5%

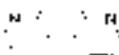
Appearance - White to tan powder/crystal

CAS # 230-07-9

DOT NR

57301 1 G

57302 5 G

**1,10-PHENANTHROLINE, ANHYDROUS****ITEM 3162** $\text{C}_{12}\text{H}_8\text{N}_2$ F.W. 180.22

Assay (GC-FID), 98.5% min

H₂O (KF), 1.0% max

CAS # 66-71-7

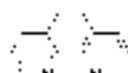
DOT 6.1/III

NFPA # 2-1-0

57481 5 G

57482 25 G

57483 100 G

**1,10-PHENANTHROLINE MONOHYDRATE, REAGENT (ACS)****ITEM 162**

o-Phenanthroline, ortho-Phenanthroline. Reagent for the colorimetric determination of iron. Base for oxidation-reduction indicator.

 $\text{C}_{12}\text{H}_8\text{N}_2 \cdot \text{H}_2\text{O}$ F.W. 198.21

Suitability as Redox Indicator -

Pass Test

Suitability for Determining Iron - Pass Test

H₂O (KF), 11.0% max

CAS # 5144-89-8

DOT 6.1/III

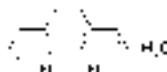
NFPA # 2-1-0

57502 5 G

57504 25 G

57506 100 G

Also available in semi bulk and bulk volumes.

**1,10-PHENANTHROLINE SOLUTION, 0.12% in Water****ITEM 321**

Suitability as indicator Pass test

CAS # 5144-89-8

DOT NR

57601 500 ML

Specific Gravity 1.000

tris-(1,10-PHENANTHROLINE) FERROUS PERCHLORATE ITEM 163

Oxidation-reduction indicator

(C₁₂H₈N₂)₃Fe(ClO₄)₂ F.W. 795.35

Suitability as indicator - Pass test Appearance - Bright red solid/powder

CAS # 14586-54-0 DOT 5.1/III

Please Inquire For Sizing And Pricing
57702 10 G

1,10-PHENANTHROLINE FERROUS SULFATE SOLUTION, 0.025 M in WATER ITEM 165

Ferroin. 0.025 Molar solution in water. Oxidation-reduction indicator. Meets requirements of Standard methods, APHA, AWWA, AOAC and others. 25 ml lots furnished in polyethylene dropping bottles.

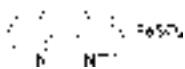
(C₁₂H₈N₂)₃FeSO₄ F.W. 692.54

Suitability as indicator - pass test

CAS # 14634-91-4 DOT NR

57801 25 ML
57802 125 ML
57803 250 ML
57804 500 ML
57805 4 L

Specific Gravity 1.000



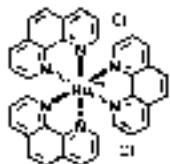
tris-(1,10-PHENANTHROLINE) RUTHENIUM (II) CHLORIDE ITEM 352

[C₁₂H₈N₂)₃Ru]2 F.W. 712.56

Suitability as redox indicator Pass Test

CAS # 23570-43-6 DOT NR

57531 1 G
57532 5 G



PHENOL, REAGENT (ACS), LOOSE CRYSTALS ITEM 980

C₆H₅OH F.W. 94.11

Assay 99.0% min.
Residue after evaporation 0.05%
Clarity of solution - pass test

CAS # 108-95-2 DOT 6.1/II NFPA # 3-2-0

58151 100 G
58152 500 G



PHENOLDISULFONIC ACID, SOLUTION ITEM 2963

Made per Reagent Chemicals, 10th ed., p 104.

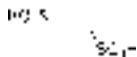
HOC₆H₃(SO₃H)₂

Identity - Pass test

CAS # 96-77-5 DOT 6.1/8/II

58173 500 ML

500



PHENYLACETYLENE, 98+% ITEM 3279

Light sensitive.

C₆H₅C≡CH F.W. 102.14

Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 536-74-3 DOT 3/III

82732 100 G
82733 500 G
82734 2 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.928



PHENYLACETYLENE, 95% ITEM 4490

C₆H₅C≡CH F.W. 102.14

Assay (GC-FID), 94.0% min Appearance - Clear, colorless to yellow liquid

CAS # 536-74-3 DOT 3/III

17191 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.928



4-PHENYL-1-BUTENE, 98% ITEM 3280

Not on the TSCA inventory.

C₆H₅CH₂CH₂CH=CH₂ F.W. 132.21

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 768-56-9 DOT 3/III

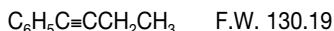
82743 5 G
82741 25 G
82742 100 G

Specific Gravity 0.880



1-PHENYL-1-BUTYNE, 97%**ITEM 3400**

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 622-76-4 DOT 3/III

89571 10 G

89572 50 G

89573 500 G

Specific Gravity 0.916

4-PHENYL-1-BUTYNE, 97%**ITEM 3281**

Not on the TSCA inventory.



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 16520-62-0 DOT NR

82751 5 G

82752 25 G

Specific Gravity 0.926

2-PHENYL-3-BUTYN-2-OL, 99%**ITEM 3282**

Assay (GC-FID), 98.5% min Melting point 3 deg range within 47 - 53 C
FT-IR Spectra - Conforms Identification by GC/MS - Conforms
Appearance - White to off white crystal

CAS # 127-66-2 DOT NR

82761 10 G

82762 50 G

82764 500 G

Specific Gravity 1.031

4-PHENYL-3-BUTYN-1-OL**ITEM 3946**

Not on the TSCA inventory.



CAS # 1817-51-2

Please Inquire For Sizing And Pricing

4-PHENYL-3-BUTYN-2-OL**ITEM 3947**

Powerful lacrymator. Not on the TSCA inventory.

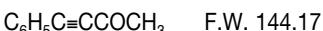


CAS # 5876-76-6

Please Inquire For Sizing And Pricing

4-PHENYL-3-BUTYN-2-ONE**ITEM 3948**

Powerful lacrymator. Not on the TSCA inventory.



CAS # 1817-57-8

Please Inquire For Sizing And Pricing

1,2-PHENYLENEDIAMINE**ITEM 595**

Suitable for use in determination of platinum. Golla and Ayres. Talanta, 20, 199 (1973)



Melting point 101-102 C

CAS # 95-54-5 DOT 6.1/III NFPA # 3-1-0

58401 100 G

1,4-PHENYLENEDIAMINE, 97%**ITEM 2753**

Assay 97% min.

CAS # 106-50-3 DOT 6.1/III

58421 100 G

58422 500 G

PHENYL ETHER, 99%

ITEM 2754

Diphenyl ether

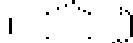
(C₆H₅)₂O F.W. 170.21

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

CAS # 101-84-8 DOT 9/III

58441 250 G
58442 1 KG

Specific Gravity 1.073

**1,4-bis-(PHENYLETHYNYL)BENZENE, 97% ITEM 3008**

Not on the TSCA inventory.

C₆H₄(C≡CC₆H₅)₂ F.W. 278.35

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

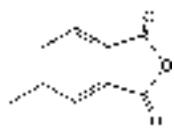
CAS # 1849-27-0 DOT NR

80071 5 G
80072 25 G**4-(PHENYLETHYNYL)PHTHALIC ANHYDRIDE, 98% ITEM 5588**

ITEM 5588

C₆H₅C≡CC₆H₃(CO)₂O F.W. 248.24Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Yellow to tan powder/crystal

CAS # 119389-05-8 DOT NR

18231 5 G
18232 25 G
18233 100 G**1-PHENYL-1-HEPTYNE**

ITEM 3949

Not on the TSCA inventory.

C₆H₅C≡C(CH₂)₄CH₃ F.W. 172.27

CAS # 14374-45-9

Please Inquire For Sizing And Pricing

**1-PHENYL-1-HEXYNE, 98%**

ITEM 3950

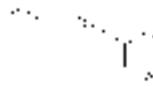
Not on the TSCA inventory.

C₆H₅C≡C(CH₂)₃CH₃ F.W. 158.25

Assay (GC-FID) 97.5% min Identity - Confirmed by GC/MS

CAS # 1129-65-3

Please Inquire For Sizing And Pricing

**1-PHENYL-1-HEXYN-3-OL**

ITEM 3951

Not on the TSCA inventory.

C₆H₅C≡CCH(OH)(CH₂)₂CH₃ F.W. 174.24

Please Inquire For Sizing And Pricing

**6-PHENYL-5-HEXYN-3-OL**

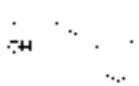
ITEM 3952

Not on the TSCA inventory.

C₆H₅C≡CCH₂CH(OH)CH₂CH₃ F.W. 174.24

CAS # 135663-98-8

Please Inquire For Sizing And Pricing

**PHENYLHYDRAZINE, 97%**

ITEM 2755

C₆H₅NHNH₂ F.W. 108.14

Assay (GC-FID), 96.5% min

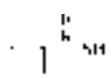
CAS # 100-63-0 DOT 6.1/II

58491 100 G

58492 500 G

58493 2.5 KG

Specific Gravity 1.099

**PHENYLHYDRAZINE HYDROCHLORIDE, 99%, REAGENT**

ITEM 2345

C₆H₅NHNH₂•HCl F.W. 144.61Assay (AgNO₃ titration), 98.5% - 101.5% Water solubility - Pass test
Residue after ignition, 0.05% max

CAS # 59-88-1 DOT 6.1/III

NFPA # 3-1-0

58501 100 G

58502 500 G



**PHENYLMAGNESIUM BROMIDE,
1.0-1.2M, in TETRAHYDROFURAN****ITEM 5239**C₆H₅MgBr F.W. 181.33

Concentration 1.0-1.2 M

CAS # 100-58-3 DOT 4.3/3/II

Please Inquire For Sizing And Pricing

**PHENYLMAGNESIUM CHLORIDE, 2 M, in
TETRAHYDROFURAN****ITEM 2974**C₆H₅MgCl F.W. 136.87

Concentration 2.0 ± 0.1 M

CAS # 100-59-4 DOT 4.3/3/II

Please Inquire For Sizing And Pricing

Specific Gravity 1.042

**PHENYLMAGNESIUM CHLORIDE, 1 M, in
DIBUTYL ETHER****ITEM 5233**C₆H₅MgCl F.W. 136.87

Concentration 0.8-1.0 M

CAS # 100-59-4 DOT 4.3/3/II NFPA # 2-3-3

Please Inquire For Sizing And Pricing

**4-PHENYL-2-METHYL-3-BUTYN-2-OL,
98%****ITEM 3283**

Not on the TSCA inventory.

C₆H₅C≡CC(OH)(CH₃)₂ F.W. 160.22

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 1719-19-3 DOT 9/III

82770 5 G
82771 25 G
82772 100 G
82773 1 KG**1-PHENYL-3-METHYL-1-PENTYN-3-OL ITEM 3953**C₆H₅C≡CC(OH)(CH₃)CH₂CH₃ F.W. 174.24

CAS # 1966-65-0

Please Inquire For Sizing And Pricing

1-PHENYL-4-METHYL-1-PENTYN-3-OL ITEM 3954

Not on the TSCA inventory.

C₆H₅C≡CCH(OH)CH(CH₃)₂ F.W. 174.24

CAS # 5923-02-4

Please Inquire For Sizing And Pricing

1-PHENYL-1-NONYNE, 98%**ITEM 3955**

Not on the TSCA inventory.

C₆H₅C≡C(CH₂)₆CH₃ F.W. 200.33Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 57718-18-0 DOT NR

17081 5 G
17082 25 G
17083 100 G**1-PHENYL-1-OCTYNE****ITEM 3956**

Not on the TSCA inventory.

C₆H₅C≡C(CH₂)₅CH₃ F.W. 186.30

CAS # 16967-02-5

Please Inquire For Sizing And Pricing

1-PHENYL-1-PENTYNE**ITEM 3957**

Not on the TSCA inventory.

C₆H₅C≡C(CH₂)₂CH₃ F.W. 144.22

CAS # 4250-81-1

Please Inquire For Sizing And Pricing

5-PHENYL-1-PENTYNE, 98%**ITEM 3284**

Not on the TSCA inventory.



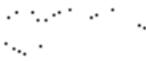
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 1823-14-9 DOT NR

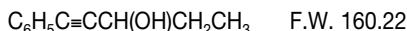
82783 5 G

82782 25 G

Specific Gravity 0.921

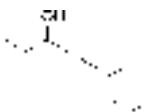
**1-PHENYL-1-PENTYN-3-OL****ITEM 3958**

Not on the TSCA inventory.



CAS # 27975-78-6

Please Inquire For Sizing And Pricing

**PHENYL PROPARGYL ETHER, 98%****ITEM 3285**

Not on the TSCA inventory.



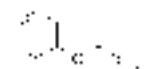
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 13610-02-1 DOT NR

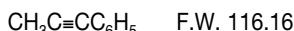
82791 25 G

82792 100 G

Specific Gravity 1.030

**1-PHENYL-1-PROPYNE, 98%****ITEM 3286**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 673-32-5 DOT 3/II

82803 5 G

82801 25 G

82802 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.939

**3-PHENYL-1-PROPYNE, 97%****ITEM 3423**

Inhibited with 250 ppm BHT. Not on the TSCA inventory.



Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 10147-11-2 DOT 3/III

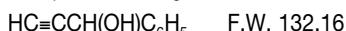
89972 5 G
89973 25 G
89974 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.934

**1-PHENYL-2-PROPYN-1-OL, 98%****ITEM 3287**

Not on the TSCA inventory. Low melting solid. Avoid storage in glass to avoid potential breakage.

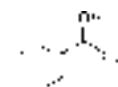
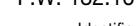


Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

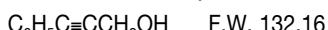
CAS # 4187-87-5 DOT NR

82811 25 G
82812 100 G
82814 500 G

Specific Gravity 1.062

**3-PHENYL-2-PROPYN-1-OL, 98+%****ITEM 3288**

Not on the TSCA inventory.



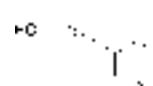
Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 1504-58-1 DOT 9/III

82820 1 G
82821 10 G
82822 50 G
82823 250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 1.078



**3-(4-PHENYL-2-PYRIDYL)-5,6-DIPHENYL-
1,2,4-TRIAZINE (PPDT)** ITEM 661

Reagent for the determination of iron. Schilt and Hoyle, Anal. Chem., 39, 114 (1967)

C₂₆H₁₈N₄ F.W. 386.47

Melting point 191-193 C

CAS # 1058-71-5 DOT NR

59001

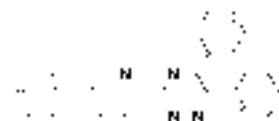
1 G

59002

5 G

59003

10 G



**3-(4-PHENYL-2-PYRIDYL)-5,6-DIPHENYL-
1,2,4-TRIAZINE TRISULFONIC ACID,
TRISODIUM SALT, (PPDTS)** ITEM 662

Water soluble high-sensitivity reagent for iron. Traister and Schilt, Anal. Chem., 48, 1216 (1976)

C₂₆H₁₅N₄(SO₃Na)₃ F.W. 692.59

Sensitivity to iron Pass Test

CAS # 108775-02-6 DOT NR

59051

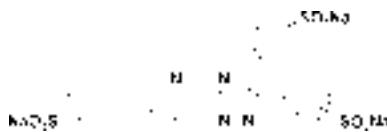
1 G

59052

5 G

59053

10 G



PHENYL-2-PYRIDYL KETOXIME ITEM 295

Reagent for the colorimetric determination of iron in strong alkalies. Trusell and Diehl, Anal. Chem., 31, 1978 (1959)

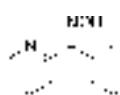
C₆H₅C(NOHC₅H₄N) F.W. 198.22

Melting point 150-159 C Suitability - pass test

CAS # 1826-28-4 DOT NR

59202

10 G



E-Mail Development@GFS Chemicals.com to
Inquire about Scale Up or Process Quantities.

**3-(4-PHENYL-2-PYRIDYL)-5-PHENYL-
1,2,4-TRIAZINE (PPT)** ITEM 727

Most sensitive iron chromogen available. See Schilt et. al. Talanta 24, 685-687 (1977). e=34,800

C₂₀H₁₄N₄ F.W. 310.36

Melting point 180-182 C Sensitivity to iron - Pass Test

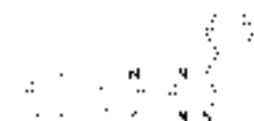
CAS # 108775-05-9 DOT NR

59401

1 G

59402

5 G



**3-(4-PHENYL-2-PYRIDYL)-5-PHENYL-
1,2,4-TRIAZINE DISULFONIC ACID, DISODIUM
SALT, (PPTS)** ITEM 728

Most sensitive water soluble iron chromogen available. e=32,900

C₂₀H₁₂N₄O₆S₂Na₂ F.W. 514.46

Sensitivity to iron - Pass Test

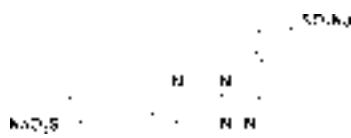
CAS # 108775-03-7 DOT NR

59451

1 G

59452

5 G



PHENYLTRIMETHYLSILANE, 98% ITEM 3290

Requires refrigeration.

C₆H₅Si(CH₃)₃ F.W. 150.30

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 768-32-1 DOT 3/III

82843

5 G

82841

25 G

82842

100 G

Specific Gravity 0.873



**1-PHENYL-2-TRIMETHYLSILYLACETYLENE,
99%** ITEM 3289

Not on the TSCA inventory.

(CH₃)₃SiC≡CC₆H₅ F.W. 174.32

Assay 99% min.

CAS # 2170-06-1 DOT 9/III

82832

50 G

82833

250 G

Specific Gravity 0.886



PHOSPHORUS TRIBROMIDE, 97%**ITEM 2757**PBr₃ F.W. 270.70Assay (AgNO₃-Titration), 96.5% -
103.5%

Appearance - Clear, colorless to yellow liquid

CAS # 7789-60-8

DOT 8/II

NFPA # 3-0-2

59671 50 G
59672 250 G
59673 1 KG
59674 4 KG

Specific Gravity 02850

o*-PHTHALDIALDEHYDE, 98%*ITEM 5298**C₈H₆O₂ F.W. 134.13

Assay (GC-FID), 97.5% min

Appearance - Yellow crystal/solid

CAS # 643-79-8

DOT NR

15121 10 G
15122 50 G
15123 250 G

Specific Gravity 1.000

**PIPERAZINE, 99%****ITEM 2758**C₄H₁₀N₂ F.W. 86.14

Assay (GC-FID), 98.5% min

Appearance - White to off-white solid/crystal

CAS # 110-85-0

DOT 8/III

NFPA # 2-2-0

59831 100 G
59832 500 G

"

"

POLY(ETHYLENE GLYCOL)200**ITEM 3501**

Average molecular weight about 200

H(OCH₂CH₂)_nOH

Average M.W. (typical) 190-210 Water 0.5%

CAS # 25322-68-3 DOT NR

59691 250 G
59692 1 KG

Specific Gravity 1.127

POLY(ETHYLENE GLYCOL) 300**ITEM 3382**

Average molecular weight about 300.

H(OCH₂CH₂)_nOH

Average M.W. (typical) 285-315 Water 0.5%

CAS # 25322-68-3 DOT NR NFPA # 0-1-0

83761 250 G
83762 1 KG

Specific Gravity 1.127

POLY(ETHYLENE GLYCOL)400**ITEM 3502**

Average molecular weight about 400

H(OCH₂CH₂)_nOH

Average M.W. (typical) 380-420 Water 0.5%

CAS # 25322-68-3 DOT NR

59701 250 G

59702 1 KG

Specific Gravity 1.126

POLY(ETHYLENE GLYCOL)600**ITEM 3503**

Average molecular weight about 600

H(OCH₂CH₂)_nOH

Average M.W. (typical) 570-630 Water 0.5%

CAS # 25322-68-3 DOT NR

59711 250 G

59712 1 KG

Specific Gravity 1.126

POLY(ETHYLENE GLYCOL)900**ITEM 3504**

Average molecular weight about 900

H(OCH₂CH₂)_nOH

Average M.W. (typical) 855-945 Water 0.5%

CAS # 25322-68-3 DOT NR

59721 250 G

59722 1 KG

Specific Gravity 1.093

POLY(ETHYLENE GLYCOL)1500**ITEM 3506**

Average molecular weight about 1,500

H(OCH₂CH₂)_nOH

Average M.W. (typical) 1305-1595

CAS # 25322-68-3 DOT NR

59741 250 G

59742 1 KG

POLY(ETHYLENE GLYCOL)2000**ITEM 3507**

Average molecular weight about 2,000

H(OCH₂CH₂)_nOH

CAS # 25322-68-3 DOT NR

59751 250 G

59752 1 KG

POLY(ETHYLENE GLYCOL)3400**ITEM 3508**

Average molecular weight about 3,400

H(OCH₂CH₂)_nOH

Average M.W. (typical) 3015-3685

CAS # 25322-68-3 DOT NR

59761 250 G

59762 1 KG

POLY(ETHYLENE GLYCOL)4000

ITEM 3499

Average molecular weight about 4,000



Average M.W. (typical) 3,800-4,200

CAS # 25322-68-3 DOT NR

12671 250 G
12672 1 KG**POLY(ETHYLENE GLYCOL)4600**

ITEM 3509

Average molecular weight about 4,600



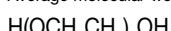
Average M.W. (typical) 4400-4800

CAS # 25322-68-3 DOT NR

59771 250 G
59772 1 KG**POLY(ETHYLENE GLYCOL)8000**

ITEM 3510

Average molecular weight about 8,000.



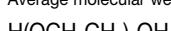
Average M.W. (typical) 7000-9000

CAS # 25322-68-3 DOT NR

59781 250 G
59782 1 KG**POLY(ETHYLENE GLYCOL)10,000**

ITEM 3511

Average molecular weight about 10,000



CAS # 25322-68-3 DOT NR

59791 250 G
59792 1 KG**POTASSIUM tert-BUTOXIDE, REAGENT,
95%**

ITEM 2550



F.W. 112.22

Assay 95% min.

CAS # 865-47-4 DOT 8/4.3/I

60431 50 G
60432 250 G
60433 1 KG

Also available in semi bulk and bulk volumes.

**POTASSIUM t-BUTOXIDE, 20%, in
TETRAHYDROFURAN**

ITEM 3781



F.W. 112.22

Concentration 19-21% Water (as hydroxide) - Report

CAS # 865-47-4 DOT 8/3/I

60421 100 ML
60422 1 L
60423 4 L

Specific Gravity 0.902

1,3-PROPANEDIOL, 98%

ITEM 3292



F.W. 76.10 Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless to yellow liquid

CAS # 504-63-2 DOT NR

82861 250 G
82862 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 1.053

PROPARGYL ACRYLATE, 98%

ITEM 3294

Lachrymator. Requires refrigeration.



F.W. 110.11 Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Stabilizer (Hydroquinone) - Confirm presence Appearance - Clear, colorless to yellow liquid

CAS # 10477-47-1 DOT 3/6.1/III

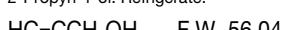
82880 5 G
82881 25 G
82882 100 G

Specific Gravity 1.000

PROPARGYL ALCOHOL, 99%

ITEM 3295

2-Propyn-1-ol. Refrigerate.



F.W. 56.04 Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

H₂O (KF), 0.5% max Appearance - Clear, colorless to yellow liquid

CAS # 107-19-7 DOT 6.1/3/II NFPA # 3-3-0

82891 250 G
82892 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.963

**PROPARGYL ALCOHOL TETRAHYDRO-2H-PYRAN
ETHER, 98%**

ITEM 3399

Refrigeration required. Not on the TSCA inventory.



F.W. 140.18

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

Appearance - Clear, colorless liquid

CAS # 6089-04-9 DOT 3/III

84241 25 G
84242 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.997

**PROPARGYLALDEHYDE DIETHYL ACETAL,
98%** **ITEM 3296**

Requires refrigeration; Not on the TSCA Inventory.

HC≡CCH(OCH₂CH₃)₂ F.W. 128.17

Assay (by GC) 98% min.

CAS # 10160-87-9 DOT 3/III

Please Inquire For Sizing And Pricing
Specific Gravity 0.894

**PROPARGYLALDEHYDE DIETHYL ACETAL,
95%** **ITEM 5354**

Requires refrigeration; Not on the TSCA Inventory.

HC≡CCH(OCH₂CH₃)₂ F.W. 128.17

Assay (GC-FID), 94% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 10160-87-9 DOT 3/III

14411 10 G
14412 50 G
14413 250 G

PROPARGYLAMINE, 99% **ITEM 3959**

Refrigeration recommended.

HC≡CCH₂NH₂ F.W. 55.08

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
H₂O (KF), 5.0% max Appearance - Clear, colorless to amber liquid

CAS # 2450-71-7 DOT 3/6.1/8/II NFPA # 3-3-0

62611 5 G
62612 25 G
62613 500 G

Also available in semi bulk and bulk volumes.
Specific Gravity 0.860

N-PROPARGYLOXYPHthalimide, 98% **ITEM 3299**

Not on the TSCA inventory.

[C₆H₄(CO)₂N]OCH₂C≡CH F.W. 201.18

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to tan solid

CAS # 4616-63-1 DOT 9/III

82931 10 G
82932 50 G

N-PROPARGYLPHthalimide, 98% **ITEM 3300**

Not on the TSCA inventory.

[C₆H₄(CO)₂N]CH₂C≡CH F.W. 185.18

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - White to tan solid/crystal

CAS # 7223-50-9 DOT 9/III

82941 5 G
82942 25 G
82943 100 G
82944 500 G

PROPARGYL PROPIONATE, 98% **ITEM 3301**

HC≡CCH₂OCOCH₂CH₃ F.W. 112.12

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 1932-92-9 DOT 3/6/III

82951 25 G
82952 100 G

**PROPARGYL p-TOLUENESULFONATE,
50%, in XYLENES** **ITEM 3302**

Requires refrigeration. Not on the TSCA inventory.

HC≡CCH₂OSO₂C₆H₄CH₃ F.W. 210.25

Concentration 49-51%

CAS # 16192-07-7 DOT 8/II

Please Inquire For Sizing And Pricing

cis-1-PROPYENYLBENZENE, 95% **ITEM 3303**

Not on the TSCA inventory.

C₆H₅CH=CHCH₃ F.W. 118.17

Assay (GC-FID), 94.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 766-90-5 DOT 3/6.1/III

82971 10 G
82972 50 G

Specific Gravity 0.914

PROPIONITRILE, 99%**ITEM 2940**CH₃CH₂CN F.W. 55.08

Assay (GC-FID), 98.5% min

Appearance - Clear, colorless liquid

CAS # 107-12-0

DOT 3/6.1/II

NFPA # 3-3-1

84921 50 ML
84922 250 ML84923 4 L
84924 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.772

n-PROPYL ALCOHOL, REAGENT (ACS) ITEM 1593

1-Propanol

C₃H₈O F.W. 60.10

Assay (GC) 99.5% min.

Color (APHA) 10 max

Water 0.2%

Ethyl alcohol 0.01%

Isopropyl alcohol 0.05%

CAS # 71-23-8 DOT 3/II NFPA # 1-3-0

62601 500 ML
62602 4 L
62603 4 X 4 L

Specific Gravity 0.804

Water soluble Pass test
Residue after evaporation 0.001%
Titrable acid 0.0004 meq/g
Methyl alcohol 0.01%
Carbonyl compounds 0.03%**PROPYNE, 99%****ITEM 3305**

Cylinder deposit. Cylinder pressure 60 psi @ 21 C. Stabilized with BHT & Hydroquinone.

CH₃C#CH F.W. 40.07

Assay (GC-FID), 98.5% min Stabilized with BHT & Hydroquinone - Confirm

CAS # 74-99-7 DOT 2.1

82991 100 G
82992 500 G
82993 25 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.630

I-I.

PROPYLENE CARBONATE, 99%**ITEM 505**

Propanediol Cyclic Carbonate. Iron and copper free

C₄H₆O₃ F.W. 102.09

Assay (GC-FID), 98.5% min

Iron - Pass Test

Copper - Pass Test

CAS # 108-32-7 DOT NR NFPA # 1-1-0

62701 500 ML
62702 4 L

Specific Gravity 1.189

**PROPYLENE OXIDE, 99%****ITEM 5312**

1,2-Epoxypropane

C₃H₆O F.W. 58.08

Assay (GC-FID), 98.5% min

Identification by GC/MS - Conforms

CAS # 75-56-9 DOT 3/I

16841 500 ML
Specific Gravity 0.830**PYRIDINE, REAGENT (ACS)****ITEM 702**C₅H₅N F.W. 79.10Assay (GC) 99.0%
Residue after evaporation 0.002%
Chloride 0.001%
Ammonia 0.002%
Reducing substances - Pass Test

Solubility in water - Pass Test

Water 0.1%

Sulfate 0.001%

Copper 5 ppm

CAS # 110-86-1 DOT 3/II NFPA # 2-3-0

62850 100 ML
62851 500 ML
62853 6 X 500 ML
62852 4 L
62854 4 X 4 L

Specific Gravity 0.982

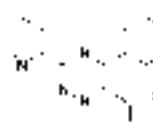
I
4**3-(2-PYRIDYL)-5,6-DIPHENYL-1,2,4-TRIAZINE (PDT) ITEM 516**

Reagent for the simultaneous spectrophotometric determination of iron and copper. Schilt and Taylor, Anal. Chem., 42,220 (1970)

C₂₀H₁₄N₄ F.W. 310.34

Suitability as an indicator Pass Test Melting Point 189-190 C

CAS # 1046-56-6 DOT NR

63301 1 G
63302 5 G
63303 10 G

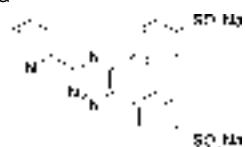
**3-(2-PYRIDYL)-5,6-DIPHENYL-1,2,4-TRIAZINE
SULFONATED, DISODIUM SALT** **ITEM 569**

Reagent for the spectrophotometric determination of iron and copper.

C₂₀H₁₂N₄(SO₃Na)₂ F.W. 514.46

CAS # 28048-33-1 DOT NR

63352 5 G



PYROGALLOL, REAGENT (ACS) **ITEM 998**

C₆H₃(OH)₃ F.W. 126.11

Melting point 131.0-135.0 C

Chloride 0.001%

Heavy Metals (Pb) 0.0005%

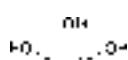
CAS # 87-66-1 DOT NR NFPA # 2-1-0

\$.

63371 100 G

63372 500 G

63374 2.5 KG



PYRROLIDINE, 99% **ITEM 2607**

C₅H₅NO F.W. 71.12

Assay (GC-FID), 98.5% min

CAS # 123-75-1 DOT 3/8/II

63311 100 ML

63312 500 ML

Specific Gravity 0.852



QUINHYDRONE, 97.0% **ITEM 1877**

C₁₂H₁₁O₄ F.W. 218.21

Assay (HPLC -

Area % at 223 nm), 97.0% min p-Benzoquinone (Titration), 48.5% - 51.5%

Loss on Drying, 0.5% max Appearance - Dark green, lustrous crystals

CAS # 106-34-3 DOT 6.1/III

63321 25 G

63322 100 G

63323 500 G



QUINOLINE, 95%

ITEM 2760

C₉H₇N F.W. 129.16

Assay (GC-FID), 94.0% min

Appearance - Clear, yellow liquid

CAS # 91-22-5

DOT 6.1/III

NFPA # 2-1-0

63291 100 G

63292 500 G

63293 2.5 KG

Specific Gravity 1.093



RESAZURIN, SODIUM SALT

ITEM 1108

Certifiable

C₁₂H₆NO₄Na F.W. 251.18

Suitability as indicator Pass test

CAS # 62758-13-8

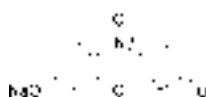
DOT NR

NFPA # 2-1-1

63436 5 G

63431 25 G

63432 100 G



RESORCINOL, REAGENT (ACS)

ITEM 1077

1,3-Benzenediol

C₆H₄(OH)₂ F.W. 110.11

Assay 99.0-100.5%

Insoluble 0.005%

Titratable acid 0.004 meq/g

CAS # 108-46-3

DOT 6.1/III

NFPA # 2-2-1

63450 25 G

63451 100 G

63452 500 G



RUBRENE

ITEM 3307

C₄₂H₂₈ F.W. 532.69

Melting point > 315 C

CAS # 517-51-1

DOT NR

83013 1 G

83011 5 G

83012 25 G



**bis-(SALICYLIDENE)-ETHYLENEDIAMINE,
REAGENT** ITEM 369

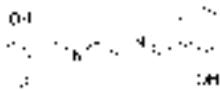
Reagent for the fluorometric determination of magnesium. C.E. White and F. Cuttita, Anal. Chem., 31,2083 (1959).

$C_6H_4(OH)CH=N-C_2H_4N=CH(OH)C_6H_4$ F.W. 268.32

M.p. 125-126 C

CAS # 94-93-9 DOT NR

17002 10 G

**SILVER DIETHYLDITHIOCARBAMATE,
REAGENT (ACS)** ITEM 359

Reagent for the spectrophotometric determination of arsenic. Vasak and Sedivec, Chem. List., 46,341 (1952); Powers et al., Anal. Chem., 31, 1589 (1959)

$AgCS_2N(C_2H_5)_2$ F.W. 256.15

Solubility in pyridine - Pass Test Suitability for arsenic det. - Pass Test
Appearance - Yellow to khaki powder/solid

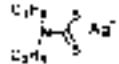
CAS # 1470-61-7 DOT NR NFPA # 1-0-1

65302 10 G

65303 25 G

65304 100 G

Also available in semi bulk and bulk volumes.

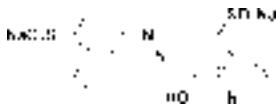
**SNAZOXS** ITEM 380

7-(4-Sulfo-1-Naphthylazo)-8-Hydroxyquinoline-5-Sulfonic Acid, Sodium Salt. Indicator for complexometric titrations. Guerin, Sheldon and Reilley, Chemist Analyst, 49, 36 (1960).

$NaO_3SC_{10}H_6N=NC_9H_4N(OH)(SO_3Na)$ F.W. 503.42

CAS # 53611-17-9 DOT NR

66202 10 G

**SODIUM ACETYLACETONATE** ITEM A7092

$C_5H_7O_2Na$ F.W. 122.10

CAS # 15435-71-9 DOT NR

66511 25 G

**SODIUM DIETHYLDITHIOCARBAMATE,
REAGENT (ACS)** ITEM 358

Reagent for the spectrophotometric determination of various transition metal ions.

$NaCS_2N(C_2H_5)_2 \cdot 3H_2O$ F.W. 225.31

Solubility in water - pass test Sodium as Na₂SO₄ 30.5-32.5%

Sensitivity to copper - pass test
CAS # 20624-25-3 DOT NR NFPA # 1-0-0

66901 100 G

66902 500 G

**SODIUM DIMETHYLGLYOXIME,
OCTAHYDRATE** ITEM 169

Organic precipitant

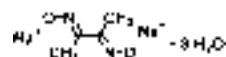
$(CH_3CONa)_2 \cdot 8H_2O$ F.W. 304.21

Sensitivity to nickel - pass test 5% H₂O solution - Colorless to faint yellow
5% H₂O solution - Clear to slightly hazy solution

CAS # 60908-54-5 DOT NR

67001 100 G

67002 500 G

**SODIUM DIPHENYLAMINE SULFONATE,
REAGENT (ACS)** ITEM 170

Oxidation-reduction indicator

$C_6H_5NH-C_6H_4SO_3Na$ F.W. 271.27

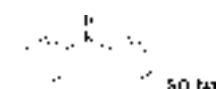
Clarity of a 0.3% solution (H₂O) - Pass test Sensitivity - Pass test

Appearance - Off-white to tan/grey powder
CAS # 6152-67-6 DOT NR NFPA # 2-1-1

67201 5 G

67203 25 G

67204 100 G

**SODIUM DIPHENYLAMINE SULFONATE,
0.005 M SOLUTION IN WATER** ITEM 171

0.005 mol/L. Oxidation-reduction indicator.

$C_6H_5NH-C_6H_4SO_3Na$

Suitability Pass test

CAS # 6152-67-6 DOT NR NFPA # 2-1-1

67211 500 ML

Specific Gravity 1.000

**SODIUM ETHOXIDE, 20% in DENATURED
ETHYL ALCOHOL** **ITEM 2762**

CH₃CH₂ONa F.W. 68.05

Assay 20% min.

CAS # 141-52-6 DOT 3/8/II

67301 100 ML
67302 500 ML

Specific Gravity 0.868

**SODIUM METHOXIDE, 0.5M METHANOLIC
SOLUTION, REAGENT (ACS)** **ITEM 2412**

Sodium Methylate

CH₃ONa F.W. 54.02

Concentration 0.48 - 0.52 M Clarity of solution - passes test

CAS # 124-41-4 DOT 3/8/II

88291 50 ML
88292 250 ML

Specific Gravity 0.810

**SODIUM METHOXIDE, 25% in METHYL
ALCOHOL** **ITEM 2764**

CH₃ONa F.W. 54.02

Assay 24-26%

CAS # 124-41-4 DOT 3/8/II

68111 100 ML
68112 500 ML
68113 2 L

Specific Gravity 0.945

**SODIUM 3-NITROBENZENESULFONATE,
97%** **ITEM 2765**

O₂NC₆H₄SO₃Na F.W. 225.16

Assay 97% min.

CAS # 127-68-4 DOT NR

68331 100 G
68332 500 G

SODIUM PROPYNOATE **ITEM 5486**

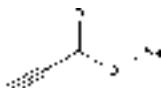
Not on the TSCA inventory.

NaC₃HO₂ F.W. 92.03

Assay 90% min.

CAS # 920-38-7

Please Inquire For Sizing And Pricing



**SODIUM bis-(TRIMETHYLSILYL)AMIDE,
95%** **ITEM 2573**

[(CH₃)₃Si]₂NNa F.W. 183.38

Assay 95% min.

CAS # 1070-89-9 DOT 8/II NFPA # 3-0-2

84231 5 G
84232 25 G

STYRENE, 99% **ITEM 2766**

C₆H₅CH=CH₂ F.W. 104.15

Assay (GC-FID), 98.5% min Inhibitor (t-butyl catechol), Confirm presence
Appearance - Clear, colorless liquid

CAS # 100-42-5 DOT 3/III NFPA # 2-3-2

71161 1 L
71162 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.909

SULFANILAMIDE, REAGENT **ITEM 1045**

C₆H₄(NH₂)SO₂NH₂ F.W. 172.21

Assay 98.0% min. M.p. 164-166 C

CAS # 63-74-1 DOT NR NFPA # 0-1-1

71081 100 G
71082 500 G

**SULFANILIC ACID, ANHYDROUS,
REAGENT (ACS)** **ITEM 1046**

NH₂C₆H₄SO₃H F.W. 173.19

Assay 98.0-102.0% Residue after ignition 0.01%
Insoluble in Na₂CO₃ solution 0.02% Chloride 0.002%
Nitrite 0.00005% Sulfate 0.01%

CAS # 121-57-3 DOT NR NFPA # 1-1-0

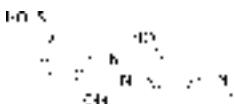
71091 100 G
71092 500 G

5-SULFO-4'-DIETHYLAMINO-2,2'-DIHYDROXYAZOBENZENE**ITEM 397**

DDB. Reagent for the spectrophotometric determination of Aluminum in the presence of Beryllium. T.M. Florence, Anal. Chem., 37,704-707 (1965).

(HO₃S)(OH)C₆H₃N=N(C₂H₅)₂ F.W. 365.40

CAS # 1563-01-5 DOT NR

71201 5 G
71202 25 G**SULFURIC ACID, 6%, REAGENT (ACS) ITEM 1109**H₂SO₃ F.W. 82.08Assay (SO₂) 6.0% min Residue after ignition 0.005%
Chloride 0.0005% Iron 0.0005%
Heavy metals (as Pb) 0.0002% Appearance - clear, colorless - pass test
Identification - Pass test

CAS # 7782-99-2 DOT 8/II NFPA # 3-0-2

71731 500 ML
71732 2.5 L
71736 4 X 2.5 L

Also available in semi bulk and bulk volumes.

Specific Gravity 1.030

2,2',2"-TERPYRIDINE, 98+%**ITEM 177**

Tripyridine, Tripyridyl. Reagent for colorimetry.

C₁₅H₁₁N₃ F.W. 233.27Assay (GC-FID), 98.0% min Suitability as indicator - Pass Test
CAS # 1148-79-4 DOT 6.1/I NFPA # 4-0-072201 1 G
72202 5 G
72203 10 G

Also available in semi bulk and bulk volumes.

**bis-(2,2',2"-TERPYRIDINE) RUTHENIUM (II) CHLORIDE ITEM 2377**(C₁₅H₁₁N₃)₂RuCl₂ F.W. 638.52

Solubility Pass Test

CAS # 168922-04-1 DOT NR

72221 1 G
72222 5 G**3,11-TETRADECADIYNE****ITEM 3960**

Not on the TSCA inventory.

CH₃CH₂C≡C(CH₂)₆C#CCH₂CH₃ F.W. 190.33

CAS # 115756-75-7

Please Inquire For Sizing And Pricing

5,9-TETRADECADIYNE, 95%**ITEM 3309**

Not on the TSCA inventory.

CH₃(CH₂)₃C≡CCH₂CH₂C≡C(CH₂)₃CH₃ F.W. 190.33Assay (GC-FID), 94.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to amber liquid

CAS # 51255-61-9 DOT 9/III

83031 5 G
83032 25 G**5,7-TETRADECADIENOIC ACID, 98%****ITEM 3409**

Light sensitive, protect from light. Not on the TSCA inventory.

CH₃(CH₂)₅C≡CC≡C(CH₂)₃COOH F.W. 220.32Assay (GC-FID by Esterification), 97.5% min Identification by GC/MS - Conforms
Appearance - Off-white to light blue solid/powder

CAS # 140654-92-8 DOT NR

89631 5 G
89632 25 G**1-TETRADECENE, 90%, TECHNICAL****ITEM 3310**CH₃(CH₂)₁₁CH=CH₂ F.W. 196.38

Assay 90% min.

CAS # 1120-36-1 DOT NR

83041 250 G
Specific Gravity 0.775

trans-7-TETRADECENE, 97%**ITEM 3405**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_5\text{CH}=\text{CH}(\text{CH}_2)_5\text{CH}_3$ F.W. 196.38

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 41446-63-3 DOT 9/III

89591 10 G
89592 50 G
89593 250 G

Specific Gravity 0.764

cis-9-TETRADECEN-1-OL**ITEM 3961** $\text{CH}_3(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_8\text{OH}$ F.W. 208.33

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 35153-15-2 DOT NR

16871 1 G
16872 5 G**1-TETRADECYNE, 98%****ITEM 3311**

Requires refrigeration.

 $\text{CH}_3(\text{CH}_2)_{11}\text{C}\equiv\text{CH}$ F.W. 194.36Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 765-10-6 DOT NR

83051 25 G
83052 100 G
83053 5 G
83054 1 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.789

7-TETRADECYNE, 97%**ITEM 3406**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{C}(\text{CH}_2)_5\text{CH}_3$ F.W. 194.36Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 35216-11-6 DOT 9/III

89601 10 G
89602 50 G

Specific Gravity 0.799

7-TETRADECYN-6,9-DIOL, 95%**ITEM 3312**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_4\text{CH}(\text{OH})\text{C}\equiv\text{CCH}(\text{OH})(\text{CH}_2)_4\text{CH}_3$ F.W. 226.36

Assay 95% min.

CAS # 174064-00-7 DOT NR

83061 5 G
83062 25 G**3-TETRADECYN-1-OL****ITEM 3962**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_9\text{C}\equiv\text{CCH}_2\text{CH}_2\text{OH}$ F.W. 210.35

CAS # 55182-74-6 DOT NR

Please Inquire For Sizing And Pricing

7-TETRADECYN-1-OL**ITEM 3963**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{C}(\text{CH}_2)_6\text{OH}$ F.W. 210.35

CAS # 37011-94-2

Please Inquire For Sizing And Pricing

9-TETRADECYN-1-OL**ITEM 3964** $\text{CH}_3(\text{CH}_2)_3\text{C}\equiv\text{C}(\text{CH}_2)_8\text{OH}$ F.W. 210.35

CAS # 60037-69-6

Please Inquire For Sizing And Pricing

TETRAETHYL ORTHOSILICATE, 98%**ITEM 3590**

Tetraethoxysilane

 $(\text{C}_2\text{H}_5\text{O})_4\text{Si}$ F.W. 208.33Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 78-10-4 DOT 3/III NFPA # 2-2-1

72922 500 G
72923 2 KG

Also available in semi bulk and bulk volumes.

Specific Gravity 0.933

TETRAHYDROFURAN, HALOGEN FREE ITEM 2348

For use with Organic Halogen Reagent

 C_4H_8O F.W. 72.11Assay (GLC) 99.0% min.
Peroxide 0.015%
Water 0.05%

CAS # 109-99-9 DOT 3/II NFPA # 2-3-2

72961 1 L
72962 6 X 1 L
72963 4 L
72964 4 X 4 L
Specific Gravity 0.890**TETRAHYDROFURAN, REAGENT (ACS) ITEM 1203**

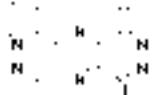
Stabilized with 0.025% BHT

 C_4H_8O F.W. 72.11Assay (GLC) 99.0% min
Peroxide 0.015%
Water 0.05%
BHT (as stabilizer - not a specification) 0.025%

CAS # 109-99-9 DOT 3/II NFPA # 2-3-2

72951 500 ML
72954 2 L
72955 4 X 2 L
72952 4 L
72953 4 X 4 L
Specific Gravity 0.890**TETRAHYDROFURFYL ALCOHOL, 98% ITEM 2768** $C_4H_7OCH_2OH$ F.W. 102.13Assay (GC-FID), 97.5% min Appearance - Clear, colorless to yellow liquid
CAS # 97-99-4 DOT NR73021 250 G
73022 1 KG
Specific Gravity 1.054**2,3,5,6-TETRAKIS (2'-PYRIDYL)-PYRAZINE ITEM 540**

Reagent for the spectrophotometric determination of iron. W.I. Stephen, Talanta, 16,939 (1969)

 $C_{24}H_{16}N_6$ F.W. 388.44Melting point 286 C min Suitability for iron determination - Pass Test
CAS # 25005-97-4 DOT NR73001 1 G
73002 5 G**TETRAMETHYL-1,3-CYCLOBUTANEDIONE, 99% ITEM 2608** $(CH_3)_4C_4O_2$ F.W. 140.18

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

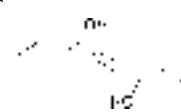
CAS # 933-52-8 DOT NR

73161 5 G
73162 25 G**2,4,7,9-TETRAMETHYL-5-DECYN-4,7-DIOL, 98% ITEM 3315**[($CH_3)_2CHCH_2C(OH)(CH_3)C_2$]# F.W. 266.36

Assay 98% min Melting point 40-42 C

CAS # 126-86-3 DOT 9/III

83091 250 G

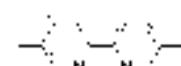
**3,4,7,8-TETRAMETHYL-1,10-PHENANTHROLINE, 99% ITEM 317** $(CH_3)_4C_{12}H_4N_2$ F.W. 236.30

Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms

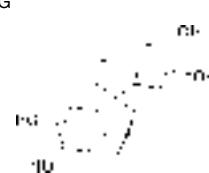
CAS # 1660-93-1 DOT NR

73201 1 G
73202 5 G
73203 50 G

Also available in semi bulk and bulk volumes.

**3,3,3',3'-TETRAMETHYL-1,1'-SPIROBISINDANE-5,5',6,6'-TETROL ITEM 2369** $C_{21}H_{24}O_4$ F.W. 340.42

CAS # 77-08-7 DOT NR

73151 25 G
73152 100 G
73153 500 G

TITANIUM ISOPROPOXIDE**ITEM 3607** $[(\text{CH}_3)_2\text{CHO}]_4\text{Ti}$ F.W. 284.26

Assay 97%

CAS # 546-68-9

DOT 3/III

NFPA # 2-3-1

74711 100 ML
74712 500 ML
74713 2.5 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.937

TITANIUM TETRAETHOXIDE, TECHNICAL ITEM 3610 $(\text{C}_2\text{H}_5\text{O})_4\text{Ti}$ F.W. 228.15

Assay (as Ti) 19.3 - 21.0%

CAS # 3087-36-3 DOT 3/III

74691 50 G
74692 250 G

Specific Gravity 1.088

TITANYL ACETYLACETONATE**ITEM A8414** $(\text{C}_5\text{H}_7\text{O}_2)_2\text{TiO}$ F.W. 262.10

CAS # 14024-64-7 DOT NR

74881 25 G

**TITRATION SOLVENT, ASTM D4739
SEC 7.15****ITEM 9032**

Protect from light.

Suitability - Pass test

Neutral solution 0 mV or pH 7 \pm 0.3 made in accordance to ASTM D4739,
section 7.15

DOT 3/II NFPA # 3-3-1

74976 4 L
74977 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 1.047

TITRATION SOLVENT, ACIDIC**ITEM 1896**

ASTM D3227 6.9.2

DOT 3/II NFPA # 1-3-1

74971 4 L
74972 4 X 4 L

Specific Gravity 0.790

o-TOLIDINE, 97%**ITEM 1110** $[\text{C}_6\text{H}_3(\text{CH}_3)(\text{NH}_2)]_2$ F.W. 212.30

Assay (Non-aqueous titration),

96.5% - 103.5%

H₂O (KF), 3.0% max

Solubility in dilute acid - Pass test

Assay (GC-FID), 96.5% min

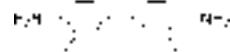
Sensitivity to chlorine - Pass test

Appearance - White to off-white solid

CAS # 119-93-7 DOT 6.1/III

74891 25 G
74892 100 G
74893 500 G

Also available in semi bulk and bulk volumes.

**o-TOLIDINE DIHYDROCHLORIDE,
REAGENT (ACS)****ITEM 1051** $[\text{C}_6\text{H}_3(\text{NH}_2)(\text{CH}_3)]_2 \bullet 2\text{HCl}$ F.W. 285.22

Residue after ignition, 0.1% max

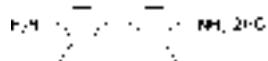
Sensitivity to chlorine - Pass test

Solubility - Pass test

CAS # 612-82-8 DOT NR NFPA # 3-1-1

74906 25 G
74901 100 G
74902 500 G

Also available in semi bulk and bulk volumes.

**TOLUENE, HALOGEN FREE****ITEM 2347**

For use with Organic Halogen Reagent

 $\text{C}_6\text{H}_5\text{CH}_3$ F.W. 92.14

Assay (GLC) 99.5% min.

Color (APHA) 10 max.

Residue after evaporation 0.001%

Substances darkened by H₂SO₄ -

Pass Test

Water 0.03%

Sulfur compounds 0.003%

Halogens 0.1 ppm

CAS # 108-88-3 DOT 3/II NFPA # 2-3-0

74991 1 L
74992 6 X 1 L
74993 4 L
74994 4 X 4 L

Specific Gravity 0.867



TOLUENE, REAGENT (ACS)**ITEM 1052** $C_6H_5CH_3$ F.W. 92.14Assay (GLC) 99.5% min
Residue after evaporation 0.001%
Sulfur compounds 0.003%Color (APHA) 10 max
Substances darkened by H₂SO₄ -
Pass Test
Water 0.03%

CAS # 108-88-3 DOT 3/II NFPA # 2-3-0

74954 1 L
74955 6 X 1 L
74952 4 L
74953 4 X 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.867

**p-TOLUENESULFONIC ACID, MONOHYDRATE,
REAGENT (ACS)** **ITEM 2416**

4-Methylbenzenesulfonic Acid Monohydrate

 $CH_3C_6H_4SO_3H \cdot H_2O$ F.W. 190.22Assay 98.5% min
Water 9.5-11.5%
Sulfate 0.3%
Iron 0.01%Clarity of solution - Passes test
Residue after ignition 0.1%
Heavy Metals (as Pb) 0.001%
Sodium 0.002%

CAS # 6192-52-5 DOT 8/III NFPA # 3-1-0

88331 100 G
88332 500 G

Also available in semi bulk and bulk volumes.

p-TOLUIC ACID, 98%**ITEM 2771** $CH_3C_6H_4CO_2H$ F.W. 136.15

Assay 98% min.

CAS # 99-94-5 DOT NR

75061 100 G
75062 500 G**o-TOLUIDINE, 98+, REAGENT****ITEM 1111**

Not stabilized. Packed under inert gas. May discolor on storage.

 $CH_3C_6H_4NH_2$ F.W. 107.16Assay (GC-FID), 98.0% min Appearance - Clear, colorless to tan/brown liquid
CAS # 95-53-4 DOT 6.1/II NFPA # 3-2-274961 500 ML
74962 4 L
74963 4 X 4 L
Specific Gravity 1.004**m-TOLUIDINE, 99%****ITEM 3517** $CH_3C_6H_4NH_2$ F.W. 107.16

Assay 99%

CAS # 108-44-1 DOT 6.1/II NFPA # 2-2-0

75041 250 ML
75042 1 L
Specific Gravity 0.980**p-TOLUIDINE, 99%, FLAKE****ITEM 2772** $CH_3C_6H_4NH_2$ F.W. 107.16

Assay 99% min.

CAS # 106-49-0 DOT 6.1/II

75071 250 G
75072 1 KG**TPTZ FERROUS SULFATE, SOLUTION,
0.00050 Mol/L****ITEM 391**

Reagent solution for the determination of microgram amounts of EDTA, B Kratochvil and M.C. White, Anal. Chem., 37, 111 (1965)

 $(C_3N_3(C_5H_4)_3)_2FeSO_4$ F.W. 776.58

CAS # 68510-43-0 DOT NR

75621 500 ML
75622 4 L
Specific Gravity 1.000**TRIBUTYLAMINE, 98%****ITEM 2773** $[CH_3(CH_2)_3]_3N$ F.W. 185.36

Assay (GC-FID), 97.5% min

CAS # 102-82-9 DOT 6.1/II

75082 500 ML
Specific Gravity 0.778

TRIBUTYL PHOSPHATE, 98+%**ITEM 5190** $[CH_3(CH_2)_3O]_3PO$ F.W. 266.32

Assay (GC-FID), 98.0% min Appearance - Clear to hazy, colorless liquid

CAS # 126-73-8 DOT NR NFPA # 2-1-0

13571 100 ML

13572 1 L

13573 4 L

Specific Gravity 0.979

TRIBUTYLSTANNYLACETYLENE, 95% **ITEM 3485**

Not on the TSCA inventory. For R&D use only.

 $(C_4H_9)_3SnC\equiv CH$ F.W. 315.07

Assay (GC-FID), 94% min Identification by GC/MS - Conforms

CAS # 994-89-8 DOT 6.1/III

10111 1 G

10112 5 G

10113 25 G

Specific Gravity 1.092

10,12-TRICOSADIYNOIC ACID, 97% **ITEM 3316**

Light sensitive. Not on the TSCA inventory.

 $CH_3(CH_2)_9C\equiv CC\equiv C(CH_2)_8COOH$ F.W. 346.55Assay (GC-FID by Esterification),
96.5% min Identification by GC/MS - Conforms
Assay (HPLC - Area % at 226 nm),
96.5% min Appearance - White to light blue solid

CAS # 66990-30-5 DOT 9/III

83105 1 G

83101 5 G

83102 25 G

83103 100 G

Also available in semi bulk and bulk volumes.

1-TRIDEcene, 97%**ITEM 3318** $CH_3(CH_2)_{10}CH=CH_2$ F.W. 182.35Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2437-56-1 DOT 9/III

83123 5 G

83121 25 G

83122 100 G

Specific Gravity 0.766

trans-4-TRIDECEN-1-OL, 95%**ITEM 3319**

Not on the TSCA inventory.

 $CH_3(CH_2)_7CH=CH(CH_2)_3OH$ F.W. 198.35

Assay 95% min. Boiling point 128 C @ 9 mm Hg

CAS # 75568-02-4 DOT NR

83131 1 G

83132 5 G

Specific Gravity 0.871

1-TRIDECYNE, 97%**ITEM 3321** $CH_3(CH_2)_{10}C\equiv CH$ F.W. 180.34

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 26186-02-7 DOT 9/III

Please Inquire For Sizing And Pricing

Specific Gravity 0.773

2-TRIDECYN-1-OL, 97%**ITEM 3966**

Not on the TSCA inventory.

 $CH_3(CH_2)_9C\equiv CCH_2OH$ F.W. 196.33

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms

CAS # 51887-25-3 DOT NR

17091 10 G

17092 50 G

17093 250 G

11-TRIDECYN-1-OL**ITEM 3967**

Not on the TSCA inventory.

 $CH_3C\equiv C(CH_2)_9CH_2OH$ F.W. 196.33

CAS # 33925-75-6

Please Inquire For Sizing And Pricing

TRIETHANOLAMINE, REAGENT**ITEM 1054** $N(CH_2CH_2OH)_3$ F.W. 149.19Assay, 98.5% min. Density 1.124-1.127 g/ml @ 25 C
H2O (KF), 0.2% max Iron, 0.001% max

CAS # 102-71-6 DOT NR NFPA # 1-1-0

75101 500 ML

75102 4 L

Specific Gravity 1.124

TRIETHYLAMINE, 99%**ITEM 2774**(CH₃CH₂)₃N F.W. 101.19Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 121-44-8 DOT 3/8/II NFPA # 3-3-0

75122 500 ML

75123 4 L

Also available in semi bulk and bulk volumes.

Specific Gravity 0.726

**TRIETHYLENE GLYCOL MONOBUTYL ETHER,
98%** **ITEM 4909**C₁₀H₂₂O₄ F.W. 206.28

Assay 98% min.

CAS # 143-22-6 DOT NR

Please Inquire For Sizing And Pricing

TRIETHYL ORTHOFORMATE, 98% **ITEM 5468**CH(OCH₂CH₃)₃ F.W. 148.20Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 122-51-0 DOT 3/III

16362 500 ML

16363 2 L

TRIETHYL PHOSPHATE, 99%**ITEM 5313**(C₂H₅O)₃PO F.W. 182.16Assay (GC-FID), 98.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 78-40-0 DOT NR

16371 100 ML

16372 500 ML

16373 2 L

Specific Gravity 1.072

TRIETHYLSILANE, 97%**ITEM 3324**(C₂H₅)₃SiH F.W. 116.28Assay, (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 617-86-7 DOT 3/II

83183 5 G

83181 25 G

83182 100 G

Specific Gravity 0.731

(TRIETHYLSILYL)ACETYLENE, 97%**ITEM 3325**

Not on the TSCA inventory.

(C₂H₅)₃SiC≡CH F.W. 140.30Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 1777-03-3 DOT 3/II

83191 10 G

83192 50 G

Specific Gravity 0.786

**4-(TRIETHYLSILYL)-3-BUTYN-1-OL, 98%** **ITEM 3326**

Not on the TSCA inventory.

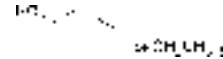
(C₂H₅)₃SiC≡C(CH₂)₂OH F.W. 184.35Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 160194-29-6 DOT 9/III

83201 5 G

83202 25 G

Specific Gravity 0.885

**5-(TRIETHYLSILYL)-4-PENTYN-1-OL, 96%** **ITEM 3327**

Not on the TSCA inventory.

(C₂H₅)₃SiC≡C(CH₂)₃OH F.W. 198.38Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max

CAS # 174064-02-9 DOT 9/III

83211 5 G

83212 25 G

Specific Gravity 0.860

**1-TRIETHYLSILYL-4-(TRIETHYLSILYOXY)-1-BUTYNE, 96%** **ITEM 3328**

Not on the TSCA inventory.

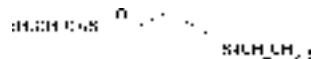
(C₂H₅)₃SiO(CH₂)₂C≡CSi(C₂H₅)₃ F.W. 298.62Assay (GC-FID), 95.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 160194-28-5 DOT 9/III

83221 5 G

83222 25 G

Specific Gravity 0.834



**TRIETHYLSILYL TRIFLUOROMETHANESULFONATE,
99% ITEM 3329**

Not on the TSCA inventory.

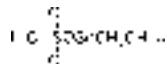
$\text{CF}_3\text{SO}_3\text{Si}(\text{C}_2\text{H}_5)_3$ F.W. 264.34

Assay 99% min.

CAS # 79271-56-0 DOT 8/II

83231 10 G
83232 50 G

Specific Gravity 1.169



2,2,2-TRIFLUOROETHANOL, 99% ITEM 2577

$\text{CF}_3\text{CH}_2\text{OH}$ F.W. 100.04

Assay (GC-FID), 98.5% min Appearance - Clear, colorless liquid

CAS # 75-89-8 DOT 3/6.1/III

75151 50 G
75152 250 G
75153 1 KG
Specific Gravity 1.468

TRIISOPROPANOLAMINE, 95% ITEM 5469

$(\text{CH}_3\text{CH}(\text{OH})\text{CH}_2)_3\text{N}$ F.W. 191.27

Assay (GC-FID), 94.0% min Appearance - White to off-white solid

CAS # 122-20-3 DOT NR

16391 100 G
16392 500 G

TRIISOPROPYLSILANE, 98% ITEM 3336

Not on the TSCA inventory.

$[(\text{CH}_3)_2\text{CH}]_3\text{SiH}$ F.W. 158.36

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 6485-79-6 DOT 3/III

83300 5 G
83301 25 G
83302 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.773



(TRIISOPROPYLSILYL)ACETYLENE, 98% ITEM 3337

Not on the TSCA inventory.

$[\text{CH}(\text{CH}_3)_2]_3\text{SiC}\equiv\text{CH}$ F.W. 182.38

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 89343-06-6 DOT 3/III

83311 10 G
83312 50 G
83313 250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.813



**TRIISOPROPYLSILYL
TRIFLUOROMETHANESULFONATE, 97% ITEM 3338**

Not on the TSCA inventory.

$\text{CF}_3\text{SO}_3\text{Si}[\text{CH}(\text{CH}_3)_2]_3$ F.W. 306.42

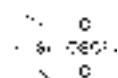
Assay (Acid-base titration), 96.5% - 103.5% Identification by FT-IR -
Conforms to structure

Appearance - Clear, colorless to yellow liquid

CAS # 80522-42-5 DOT 8/II

83321 10 G
83322 50 G
83323 500 G

Specific Gravity 1.140



**TRIMETHYLAMINE, 45%, AQUEOUS
SOLUTION ITEM 5470**

$(\text{CH}_3)_3\text{N}$ F.W. 59.11

Concentration 42-46%

CAS # 75-50-3 DOT 3/8/II

16411 100 ML
16412 1 L

**1,3,5-TRIMETHYL-1,4-CYCLOHEXADIENE,
98% ITEM 3452**

Not on the TSCA inventory.

$\text{C}_6\text{H}_5(\text{CH}_3)_3$ F.W. 122.22

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Stabilizer (BHT), Confirm presence

CAS # 4074-23-1 DOT 3/III

72991 25 G
72992 100 G
72993 500 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.828



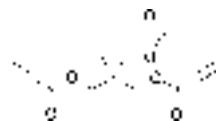
**1,1,1-TRIMETHYLOLETHANE
TRIPROPOLATE****ITEM 5223**

Not on the TSCA inventory.

(HC \equiv CCOOCH₂)₃CCH₃ F.W. 276.25

CAS # 995-34-6 DOT NR

Please Inquire For Sizing And Pricing

**2,2,4-TRIMETHYLPENTANE,
REAGENT (ACS) for General Use****ITEM 1055**

(Isooctane)

(CH₃)₃CCH₂CH(CH₃)₂ F.W. 114.23Assay 99.0% min. Color (APHA) 10 max.
Residue after evaporation 0.001% Water-soluble titratable acid 0.0003 meq/g
Sulfur Compounds (as S) 0.005%

CAS # 540-84-1 DOT 3/II NFPA # 2-3-1

75304	1 L
75305	6 X 1 L
75302	4 L
75303	4 X 4 L

Specific Gravity 0.690

3,4,4-TRIMETHYL-1-PENTYN-3-OL**ITEM 3968**

Not on the TSCA inventory.

(CH₃)₃CC(OH)(CH₃)C \equiv CH F.W. 180.29

CAS # 993-53-3

Please Inquire For Sizing And Pricing

**(TRIMETHYLSILYL)ACETYLENE, 98+%****ITEM 3340**(CH₃)₃SiC \equiv CH F.W. 98.22Assay (GC-FID), 98.0% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 1066-54-2 DOT 3/II NFPA # 1-3-0

83341	25 G
83342	100 G
83345	250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.695

**bis-(TRIMETHYLSILYL)ACETYLENE, 98% ITEM 3010**(CH₃)₃SiC \equiv CSi(CH₃)₃ F.W. 170.41

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 14630-40-1 DOT 3/II

80091	10 G
80092	50 G

Specific Gravity 0.752

**1,4-bis-(TRIMETHYLSILYL)-1,3-BUTADIYNE,
98% ITEM 3011**

Not on the TSCA inventory.

(CH₃)₃SiC \equiv CC \equiv CSi(CH₃)₃ F.W. 194.43

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 4526-07-2 DOT 4.1/II

80101	5 G
80102	25 G

**4-TRIMETHYLSILYL-3-BUTYN-1-OL, 98% ITEM 3342**

Not on the TSCA inventory.

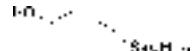
(CH₃)₃SiC \equiv CCH₂CH₂OH F.W. 142.27Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 2117-12-6 DOT 3/III

83361	10 G
83362	50 G
83363	250 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.854

**4-TRIMETHYLSILYL-3-BUTYN-2-OL, (±), 98% ITEM 3343**

Not on the TSCA inventory.

(CH₃)₃SiC \equiv CCH(OH)CH₃ F.W. 142.27

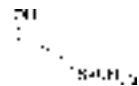
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 6999-19-5 DOT 3/III

83371	10 G
83372	50 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.846



**4-TRIMETHYLSILYL-3-BUTYN-2-ONE,
98%****ITEM 3344**

Not on the TSCA inventory.

(CH₃)₃SiC≡COCH₃ F.W. 140.26Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Stabilizer (BHT), Confirm presence Appearance - Clear, colorless to yellow liquid

CAS # 5930-98-3 DOT 3/6/II

83381 10 G

83382 50 G

Specific Gravity 0.838

**1-TRIMETHYLSILYL-3,3-DIETHOXY-1-PROPYNE,
98%** **ITEM 5364**

Requires refrigeration; Not on TSCA inventory.

(CH₃)₃SiC≡CCH(OCH₂CH₃)₂ F.W. 200.35Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

Please Inquire For Sizing And Pricing

Specific Gravity 0.864

**1-TRIMETHYLSILYL-3,3-DIMETHYL-1-BUTYNE,
98%** **ITEM 3345**

Not on the TSCA inventory.

(CH₃)₃SiC≡CC(CH₃)₃ F.W. 154.33Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 14630-42-3 DOT 9/III

83391 10 G

83392 50 G

Specific Gravity 0.742

2-(TRIMETHYLSILYL)ETHANOL, 98% **ITEM 3346**

Not on the TSCA inventory.

(CH₃)₃SiCH₂CH₂OH F.W. 118.25

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms

CAS # 2916-68-9 DOT 3/III

83401 10 G

83402 50 G

Specific Gravity 0.825

**1,3-bis-(TRIMETHYLSILETHYNYL)BENZENE,
96%** **ITEM 3012**

Not on the TSCA inventory.

C₆H₄[C≡CSi(CH₃)₃]₂ F.W. 270.50

Assay 96% min. Melting Point 57-59 C

CAS # 38170-80-8 DOT 9/III

80111 5 G
80112 25 GSemi-bulk
bulk**1,4-bis-(TRIMETHYLSILETHYNYL)BENZENE,
98%** **ITEM 3013**

Not on the TSCA inventory.

C₆H₄[C≡CSi(CH₃)₃]₂ F.W. 270.50Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - White to brown solid

CAS # 17938-13-5 DOT 9/III

80121 5 G
80122 25 G
80123 250 G

Also available in semi bulk and bulk volumes.

1-TRIMETHYLSILYL ETHYNYL-2-BROMOBENZENE **ITEM 5253**

Not on the TSCA inventory.

(CH₃)₃SiC≡CC₆H₄Br F.W. 253.21

CAS # 38274-16-7 DOT NR

Please Inquire For Sizing And Pricing

Specific Gravity 1.190

**1-(TRIMETHYLSILYLETHYNYL)CYCLOHEXENE,
98% ITEM 3347**

Not on the TSCA inventory.

$C_6H_9C\equiv CSi(CH_3)_3$ F.W. 178.35

Assay 98% min.

CAS # 17988-44-2 DOT 9/III

83411 5 G
83412 25 G

Specific Gravity 0.845



**TRIMETHYLSILYLETHYNYL CYCLOPROPANE,
96% ITEM 3068**

Not on the TSCA inventory.

$(CH_3)_3SiC\equiv CC_3H_5$ F.W. 138.28

Assay (GC-FID), 95% min Identification by GC/MS - Conforms

CAS # 81166-84-9 DOT 3/II

80661 5 G
80662 25 G

Specific Gravity 0.819



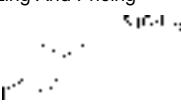
**TRIMETHYLSILYL ETHYNYL-4-
IODOBENZENE ITEM 3451**

Not on the TSCA inventory.

$IC_6H_4C\equiv CSi(CH_3)_3$ F.W. 300.21

CAS # 134856-58-9 DOT 9/III

Please Inquire For Sizing And Pricing



**2-(TRIMETHYLSILYLETHYNYL)PYRIDINE,
97% ITEM 3348**

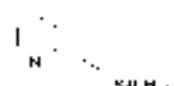
Requires refrigeration. Not on the TSCA inventory.

$C_5H_4NC\equiv CSi(CH_3)_3$ F.W. 175.29

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Colorless to yellow liquid/solid

CAS # 86521-05-3 DOT NR

83421 5 G
83422 25 G



**2,6-bis(TRIMETHYLSILYLETHYNYL)PYRIDINE,
98% ITEM 5294**

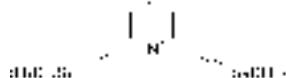
Not on the TSCA inventory.

$C_5H_3N[C\equiv CSi(CH_3)_3]_2$ F.W. 271.50

Assay (GC-FID), 97.5% min

CAS # 75867-44-6

Please Inquire For Sizing And Pricing



2-TRIMETHYLSILYLETHYNYL THIOPHENE ITEM 5334

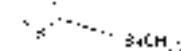
Not on the TSCA inventory.

$C_4H_3SC\equiv CSi(CH_3)_3$ F.W. 180.34

Assay (report)

CAS # 40231-03-6 DOT 3/III

Please Inquire For Sizing And Pricing



3-TRIMETHYLSILYLETHYNYL THIOPHENE ITEM 5335

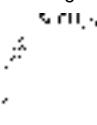
Not on the TSCA inventory.

$C_4H_3SC\equiv CSi(CH_3)_3$ F.W. 180.34

Assay (report)

CAS # 130995-13-0 DOT 3/III

Please Inquire For Sizing And Pricing



1-(TRIMETHYLSILYL)-1-HEXYNE, 98% ITEM 3349

Not on the TSCA inventory.

$CH_3(CH_2)_3C\equiv CSi(CH_3)_3$ F.W. 154.33

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 3844-94-8 DOT 3/III

83431 25 G
83432 100 G

Specific Gravity 0.764



1-(TRIMETHYLSILYL)IMIDAZOLE, 97% ITEM 3350

$(\text{CH}_3)_3\text{Si}(\text{C}_3\text{H}_3\text{N}_2)$ F.W. 140.26

Assay 97% min.

CAS # 18156-74-6

83441 50 G
83442 100 G

Specific Gravity 0.956

**4-(TRIMETHYLSILYL)MORPHOLINE, 97% ITEM 3352**

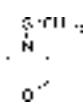
Not on the TSCA inventory.

$(\text{CH}_3)_3\text{SiNC}_4\text{H}_8\text{O}$ F.W. 159.31

Assay 97% min.

CAS # 13368-42-8 DOT 3/II

83461 10 G
Specific Gravity 0.897

**1-TRIMETHYLSILYOXY-3-BUTYNE, 98% ITEM 3353**

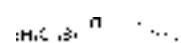
Not on the TSCA inventory.

$(\text{CH}_3)_3\text{SiOCH}_2\text{CH}_2\text{C}\equiv\text{CH}$ F.W. 142.27

Assay 98% min.

CAS # 17869-75-9 DOT 3/II

83471 10 G
83472 50 G
Specific Gravity 0.833

**2-TRIMETHYLSILYOXY-3-BUTYNE, 97% ITEM 3354**

Requires refrigeration. Not on the TSCA inventory.

$\text{CH}_3\text{CH}[\text{OSi}(\text{CH}_3)_3]\text{C}\equiv\text{CH}$ F.W. 142.27

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 17869-76-0 DOT 3/III

83481 10 G
83482 50 G
Specific Gravity 0.818

**1,2-bis-(TRIMETHYLSILYOXY)ETHANE, 98% ITEM 3014**

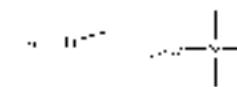
Not on the TSCA inventory.

$(\text{CH}_3)_3\text{SiOCH}_2\text{CH}_2\text{OSi}(\text{CH}_3)_3$ F.W. 206.43

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 7381-30-8 DOT 3/III

80131 25 G
80132 100 G
Specific Gravity 0.842

**TRIMETHYLSILYOXYPROPENE, 98% ITEM 3360**

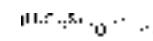
Requires refrigeration.

$\text{HC}\equiv\text{CCH}_2\text{OSi}(\text{CH}_3)_3$ F.W. 128.25

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 5582-62-7 DOT 3/6.1/II

83541 25 G
83542 100 G
Specific Gravity 0.833

**1-TRIMETHYLSILYL-1,4-PENTADIYNE, 96% ITEM 3356**

Requires refrigeration. NOT on the TSCA inventory.

$\text{HC}\equiv\text{CCH}_2\text{C}\equiv\text{CSi}(\text{CH}_3)_3$ F.W. 136.27

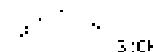
Assay (GC-FID), 96% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to Stabilizer (BHT), Confirm presence

CAS # 71789-10-1 DOT 3/II

83501 5 G
83502 25 G
83503 150 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.789

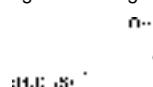
**5-TRIMETHYLSILYL-1-PENTEN-4-YN-3-OL ITEM 3462**

Not on the TSCA inventory.

$(\text{CH}_3)_3\text{SiC}\equiv\text{CCH}(\text{OH})\text{CH}=\text{CH}_2$ F.W. 154.28

CAS # 5272-35-5 DOT NR

Please Inquire For Sizing And Pricing



trans-5-TRIMETHYLSILYL-2-PENTEN-4-YN-1-OL**ITEM 3459**

Not on the TSCA inventory.



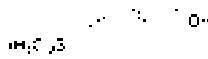
Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 97514-97-1 DOT NR

13591 5 G

13592 25 G

Specific Gravity 0.895

**1-(TRIMETHYLSILYL)-1-PENTYNE, 98% ITEM 3357**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 18270-17-2 DOT 3/II

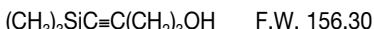
83511 10 G

83512 50 G

Specific Gravity 0.765

**5-(TRIMETHYLSILYL)-4-PENTYN-1-OL, 98% ITEM 3358**

Not on the TSCA inventory.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 13224-84-5 DOT 9/III

83521 10 G

83522 50 G

Specific Gravity 0.852

**3-TRIMETHYLSILYLPROPARGYL ALCOHOL, 98% ITEM 3359**

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 5272-36-6 DOT 6.1/II

83531 10 G

83532 50 G

Specific Gravity 0.865

**3-(TRIMETHYLSILYL)PROPIOLIC ACID, 95%****ITEM 3361**

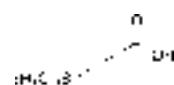
Not on the TSCA inventory.



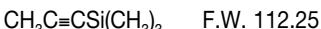
Assay 95% min. Melting point 47-49 C

CAS # 5683-31-8 DOT NR

Please Inquire For Sizing And Pricing

**1-(TRIMETHYLSILYL)-1-PROPYNE, 98% ITEM 3362**

Not on the TSCA inventory, for R&D applications only.



Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 6224-91-5 DOT 3/II

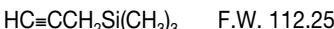
83561 10 G

83562 50 G

83563 250 G

Also available in semi bulk and bulk volumes.

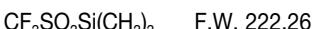
Specific Gravity 0.758

**3-TRIMETHYLSILYL-1-PROPYNE, 97% ITEM 3418**

Assay 97% min.

CAS # 13361-64-3 DOT 3/II

Please Inquire For Sizing And Pricing

**TRIMETHYLSILYL
TRIFLUOROMETHANESULFONATE, 99% ITEM 3363**

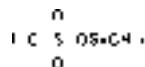
Assay 99% min.

CAS # 27607-77-8 DOT 8/3/I

83571 25 G

83572 100 G

Specific Gravity 1.150



TRIPHENYLPHOSPHINE, 99%**ITEM 2776** $(C_6H_5)_3P$ F.W. 262.29

Assay (GC-FID), 98.5% min

Identification by GC/MS - Conforms

CAS # 603-35-0

DOT 9/III

75352
75353100 G
500 G**TRIPHENYLPHOSPHINE PALLADIUM CHLORIDE****ITEM A1113** $[(C_6H_5)_3P]_2PdCl_2$ F.W. 701.88

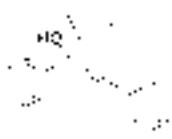
CAS # 13965-03-2 DOT NR

17111
171121 G
5 G**1,1,3-TRIPHENYLPROPARGYL ALCOHOL,
97%****ITEM 3364**

Not on the TSCA inventory.

 $C_6H_5C\equiv CC(C_6H_5)_2OH$ F.W. 284.36Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - White to off-white solid

CAS # 1522-13-0 DOT NR

83586
83581
835825 G
25 G
100 G**2,3,5-TRIPHENYLTETRAZOLIUM CHLORIDE****ITEM 597** $C_{19}H_{15}N_4Cl$ F.W. 334.81

Loss on drying (105 C) 3.0%

Solubility (Color) - Faint Yellow to Yellow

Solubility (Turbidity) - Clear to Slightly Hazy

Appearance - White to Yellow

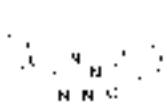
CAS # 298-96-4

DOT NR

NFPA # 2-1-1

75401
754025 G
25 G

Specific Gravity 0.950

**TRIPROPARGYLAMINE, 98%****ITEM 3969**

Requires refrigeration. Not on the TSCA inventory.

 $(HC\equiv CCH_2)_3N$ F.W. 131.18Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
H₂O (KF), 0.5% max Appearance - Clear, colorless to amber liquid

CAS # 6921-29-5 DOT 3/III

10121
10122

5 G

25 G

Specific Gravity 0.927

**TRIPROPYLAMINE, 98%****ITEM 4873** $(CH_3CH_2CH_2)_3N$ F.W. 143.27

Assay 98% min.

CAS # 102-69-2 DOT 3/8/III

Please Inquire For Sizing And Pricing

Specific Gravity 0.753

**2,4,6-TRI(2-PYRIDYL)-1,3,5-TRIAZINE,
(TP TZ)****ITEM 291**

Reagent for the colorimetric determination of iron. Collins, Diehl and Smith, ANAL. CHEM., 31, 1862 (1959)

 $C_3N_3(C_5H_4N)_3$ F.W. 312.33

Melting Point 243-247C

CAS # 3682-35-7 DOT NR

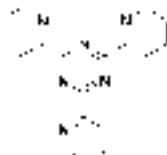
75602
75604
75605

5 G

25 G

100 G

Also available in semi bulk and bulk volumes.



**2,4,6-TRI(4-PYRIDYL)-1,3,5-TRIAZINE,
98%****ITEM 5382**

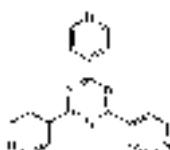
TPT. An essentially planar ligand that enables the construct of unusual and highly symmetrical polynuclear complexes and metal-organic frameworks. Not on the TSCA inventory.

$C_3N_3(C_5H_4N)_3$ F.W. 312.33

Assay (HPLC - UV/Vis @ 254 nm), 97.5% min

CAS # 42333-78-8 DOT NR

16461 1 G
16462 5 G
16463 25 G

**2,9-UNDECADIYNE, 92%****ITEM 3365**

Not on the TSCA inventory.

$CH_3C\equiv C(CH_2)_5C\equiv CCH_3$ F.W. 148.24

Assay 92% min.

CAS # 1785-53-1

Please Inquire For Sizing And Pricing

1-UNDECENE, 97%**ITEM 3366**

$CH_3(CH_2)_8CH=CH_2$ F.W. 154.30

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 821-95-4 DOT 9/III

83601 10 G
83602 50 G
Specific Gravity 0.750

10-UNDECENOIC ACID, 98%**ITEM 3428**

$H_2C=CH(CH_2)_8COOH$ F.W. 184.28

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
CAS # 112-38-9 DOT 8/II

76141 100 ML
76142 500 ML
Specific Gravity 0.910

E-Mail Development@GFS Chemicals.com to
Inquire about Scale Up or Process Quantities.

10-UNDECEN-1-OL, 98%**ITEM 3381**

(omega)-Undecylenyl Alcohol

$H_2C=CH(CH_2)_9OH$ F.W. 170.30

Assay (by GC) 98% min.

CAS # 112-43-6 DOT NR NFPA # 0-1-0

83751 25 G
83752 100 G

Also available in semi bulk and bulk volumes.

Specific Gravity 0.850

**10-UNDECENOYL CHLORIDE****ITEM 3427**

Lachrymator. Moisture sensitive.

$CH_2=CH(CH_2)_8COCl$ F.W. 202.72

CAS # 38460-95-6 DOT 8/II

76151 25 G
76152 100 G

Specific Gravity 0.944

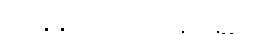
**1-UNDECYNE, 97%****ITEM 3367**

$CH_3(CH_2)_8C\equiv CH$ F.W. 152.28

Assay (GC-FID), 96.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 2243-98-3 DOT NR

83611 5 G
83612 25 G
Specific Gravity 0.773

**2-UNDECYNE, 98%****ITEM 3970**

Not on the TSCA inventory.

$CH_3(CH_2)_7C\equiv CCH_3$ F.W. 152.28

Assay (GC-FID), 97.5% min Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 60212-29-5 DOT NR

Please Inquire For Sizing And Pricing

Specific Gravity 0.780



3-UNDECYNE, 96%

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_6\text{C}\equiv\text{CCH}_2\text{CH}_3$ F.W. 152.28Assay (GC-FID), 95.0% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless liquid

CAS # 60212-30-8 DOT 9/III

83621 10 G
Specific Gravity 0.771**ITEM 3368****4-UNDECYNE**

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_5\text{C}\equiv\text{CCH}_2\text{CH}_2\text{CH}_3$ F.W. 152.28

CAS # 60212-31-9

Please Inquire For Sizing And Pricing

5-UNDECYNE

Not on the TSCA inventory.

 $\text{CH}_3(\text{CH}_2)_4\text{C}\equiv\text{C}(\text{CH}_2)_3\text{CH}_3$ F.W. 152.28

CAS # 2294-72-6

Please Inquire For Sizing And Pricing

10-UNDECYNOIC ACID, 95%

Not on the TSCA inventory.

 $\text{HC}\equiv\text{C}(\text{CH}_2)_8\text{COOH}$ F.W. 182.26Assay (GC-FID), 94% min
Identification by GC/MS -
Conforms

CAS # 2777-65-3 DOT NR

83631 5 G
83632 25 G**ITEM 3368****10-UNDECYN-1-OL, 97%** $\text{CH}\equiv\text{C}(\text{CH}_2)_9\text{OH}$ F.W. 168.28Assay (GC-FID), 96.5% min
Identification by GC/MS - Conforms
Appearance - Clear, colorless to yellow liquid

CAS # 2774-84-7 DOT NR

83641 5 G
83642 25 G
Specific Gravity 0.873**XYLEMES, REAGENT (ACS)****ITEM 1059** $\text{C}_6\text{H}_4(\text{CH}_3)_2$ F.W. 106.17Assay (xylene isomers plus
ethylbenzene) 98.5%
Residue after evaporation 0.002%
Sulfur compounds (as SO₄) 0.003%
Color (APHA) 10 maxEthylbenzene 25% max.
Substances darkened by sulfuric
acid - Pass Test
Water 0.05%

CAS # 1330-20-7 DOT 3/II NFPA # 2-3-0

76771 500 ML
76772 4 L
76773 4 X 4 L
Specific Gravity 0.860**p-XYLENE, 99%****ITEM 5477** $\text{C}_6\text{H}_4(\text{CH}_3)_2$ F.W. 106.17

Assay (GC-FID), 98.5% min

CAS # 106-42-3 DOT 3/II NFPA # 2-3-0

17171 500 ML
Specific Gravity 0.861**ZIRCONIUM n-BUTOXIDE, 80% (W/W)
in 1-BUTANOL****ITEM 3475** $\text{Zr}[\text{O}(\text{CH}_2)_3\text{CH}_3]_4$ F.W. 383.68

Assay 80 ± 1%

CAS # 1071-76-7 DOT 3/II

10071 100 ML
10072 500 ML
Specific Gravity 1.070

CROSS REFERENCE PAGE GUIDE BY ITEM NUMBER

ITEM #	Page #								
A1113	130	397	117	961	91	2294	82	2743	64
A4581	83	502	49	967	92	2295	81	2744	64
A5184	93	505	113	968	93	2322	53	2745	80
A7092	115	507	58	979	103	2345	106	2746	80
A8414	120	516	113	980	104	2346	51	2747	81
10	59	536	31	998	114	2347	120	2751	100
107	29	540	119	1045	116	2348	119	2753	105
108	29	552	80	1046	116	2350	75	2754	106
109	32	568	51	1051	120	2355	30	2755	106
114	32	569	114	1052	121	2369	119	2757	110
117	44	583	103	1054	122	2377	117	2758	110
118	32	584	103	1055	125	2384	26	2760	114
127	55	595	105	1059	132	2388	26	2762	116
128	55	597	130	1069	27	2390	31	2764	116
132	58	622	28	1070	30	2391	31	2765	116
133	58	651	91	1075	100	2392	35	2766	116
142	81	661	109	1077	114	2393	36	2768	119
154	57	662	109	1082	82	2404	96	2771	121
155	93	663	60	1083	80	2412	116	2772	121
156	93	667	27	1100	35	2416	121	2773	121
162	103	673	31	1101	35	2459	97	2774	123
163	104	702	113	1106	93	2463	57	2776	130
165	104	714	26	1108	114	2474	80	2777	80
169	115	727	109	1109	117	2512	30	2791	32
170	115	728	109	1110	120	2531	93	2926	94
171	115	769	49	1111	121	2540	60	2933	27
177	117	770	49	1114	30	2550	111	2935	27
231	65	776	29	1140	28	2555	88	2937	83
232	53	814	84	1160	79	2559	26	2940	113
240	29	822	59	1167	83	2560	70	2961	82
241	55	823	59	1203	119	2567	31	2962	53
282	81	827	26	1282	63	2573	116	2963	104
283	59	829	26	1287	81	2577	124	2966	52
285	41	849	28	1543	80	2605	99	2974	107
286	29	856	29	1593	113	2607	114	2989	32
291	130	865	36	1597	30	2608	119	2990	32
294	29	884	40	1598	36	2634	39	2992	89
295	109	906	43	1679	84	2635	39	3001	26
317	119	907	43	1681	30	2636	39	3008	106
321	103	910	50	1683	61	2637	39	3010	125
328	34	916	65	1850	27	2640	39	3011	125
352	104	917	65	1859	39	2663	32	3012	126
358	115	918	64	1877	114	2719	28	3013	126
359	115	920	65	1896	120	2721	32	3014	128
369	115	926	70	1913	70	2727	40	3015	33
380	115	928	76	1991	40	2732	43	3017	33
381	49	934	82	2197	43	2738	51	3019	34
391	121	948	83	2261	61	2740	54	3020	34
396	93	959	85	2268	84	2741	54	3023	36

CROSS REFERENCE PAGE GUIDE BY ITEM NUMBER

ITEM #	Page #								
3024	36	3097	55	3160	72	3218	89	3275	102
3025	36	3098	56	3161	72	3219	89	3276	102
3026	36	3100	57	3162	103	3220	89	3277	102
3028	37	3101	58	3163	72	3222	91	3278	102
3029	37	3102	58	3164	73	3223	91	3279	104
3030	37	3104	59	3165	73	3224	91	3280	104
3031	37	3105	59	3166	73	3225	91	3281	105
3032	37	3106	59	3167	73	3226	92	3282	105
3033	38	3107	60	3168	73	3227	92	3283	107
3034	38	3108	60	3169	74	3228	92	3284	108
3035	38	3109	60	3170	74	3229	92	3285	108
3037	38	3110	60	3171	74	3231	92	3286	108
3038	39	3111	60	3173	74	3232	92	3287	108
3039	39	3112	61	3174	75	3233	94	3288	108
3040	41	3113	61	3176	75	3234	94	3289	109
3045	40	3114	61	3178	75	3235	94	3290	109
3046	40	3115	62	3179	75	3237	94	3291	79
3048	41	3117	62	3180	75	3238	94	3292	111
3052	41	3118	62	3182	75	3239	95	3294	111
3053	41	3119	62	3183	75	3240	95	3295	111
3055	42	3120	62	3184	76	3242	95	3296	112
3056	42	3122	63	3185	76	3243	95	3299	112
3057	42	3124	63	3187	76	3245	96	3300	112
3058	43	3125	63	3188	76	3246	96	3301	112
3064	44	3126	64	3190	77	3248	96	3302	112
3066	45	3128	64	3193	77	3249	96	3303	112
3068	127	3129	64	3194	77	3251	97	3305	113
3069	47	3132	64	3195	78	3252	97	3307	114
3070	46	3134	65	3196	78	3253	97	3309	117
3071	46	3136	65	3197	78	3254	97	3310	117
3072	46	3137	66	3198	78	3255	96	3311	118
3073	47	3138	66	3199	78	3256	98	3312	118
3074	47	3139	67	3200	78	3257	98	3315	119
3075	47	3140	67	3201	78	3258	98	3316	122
3076	48	3141	67	3202	79	3259	99	3318	122
3077	48	3144	67	3203	79	3260	99	3319	122
3078	48	3146	67	3204	69	3261	99	3321	122
3079	48	3147	68	3205	81	3262	99	3323	42
3080	48	3148	68	3206	84	3263	100	3324	123
3082	49	3149	68	3207	84	3264	100	3325	123
3085	50	3150	68	3208	84	3265	100	3326	123
3086	50	3151	69	3209	85	3266	100	3327	123
3087	50	3152	70	3210	85	3268	101	3328	123
3088	51	3153	70	3211	85	3269	101	3329	124
3089	52	3154	71	3212	87	3270	101	3335	42
3093	53	3155	71	3214	87	3271	101	3336	124
3094	53	3156	71	3215	88	3272	101	3337	124
3095	54	3157	71	3216	89	3273	102	3338	124
3096	54	3158	72	3217	89	3274	102	3340	125

CROSS REFERENCE PAGE GUIDE BY ITEM NUMBER

ITEM #	Page #								
3342	125	3396	100	3455	76	3808	38	3894	86
3343	125	3397	46	3456	97	3809	38	3895	86
3344	126	3398	90	3457	47	3815	43	3896	86
3345	126	3399	111	3459	129	3819	45	3897	86
3346	126	3400	105	3460	62	3822	46	3898	86
3347	127	3403	102	3461	96	3823	46	3899	86
3348	127	3404	97	3462	128	3824	47	3900	86
3349	127	3405	118	3464	68	3825	48	3901	86
3350	128	3406	118	3465	31	3826	48	3902	86
3352	128	3407	74	3466	55	3837	50	3903	87
3353	128	3408	41	3469	34	3838	51	3904	87
3354	128	3409	117	3470	99	3840	55	3905	87
3356	128	3410	57	3472	70	3841	56	3906	87
3357	129	3411	38	3475	132	3842	56	3907	87
3358	129	3412	67	3476	72	3843	56	3908	87
3359	129	3413	74	3485	122	3844	56	3909	87
3360	128	3414	76	3486	47	3845	56	3911	88
3361	129	3416	55	3487	28	3846	56	3913	88
3362	129	3417	76	3488	55	3847	56	3914	88
3363	129	3418	129	3490	35	3848	56	3916	88
3364	130	3420	34	3495	34	3849	57	3917	88
3365	131	3421	90	3497	69	3851	57	3918	88
3366	131	3422	98	3499	111	3852	60	3919	89
3367	131	3423	108	3501	110	3853	59	3920	89
3368	132	3424	71	3502	110	3854	61	3921	90
3369	132	3425	98	3503	110	3856	62	3922	90
3370	132	3426	78	3504	110	3858	62	3923	90
3371	100	3427	131	3506	110	3860	63	3925	90
3372	72	3428	131	3507	110	3861	63	3926	90
3373	52	3429	96	3508	110	3862	63	3927	90
3374	35	3430	50	3509	111	3863	64	3928	91
3375	35	3431	50	3510	111	3864	66	3929	94
3378	75	3432	40	3511	111	3865	66	3930	95
3379	88	3433	45	3516	47	3866	66	3931	95
3380	42	3434	97	3517	121	3867	67	3932	95
3381	131	3435	27	3525	43	3875	72	3933	95
3382	110	3437	28	3561	45	3876	72	3934	95
3383	27	3439	48	3565	81	3877	73	3935	97
3384	101	3440	38	3588	79	3878	73	3936	98
3385	52	3441	44	3590	118	3879	73	3937	99
3386	66	3442	45	3607	120	3880	74	3938	99
3388	98	3443	46	3610	120	3884	77	3942	101
3389	43	3446	71	3683	39	3885	77	3944	102
3390	61	3447	77	3685	69	3886	77	3946	105
3391	79	3448	85	3721	37	3887	69	3947	105
3392	79	3449	90	3744	75	3889	83	3948	105
3393	77	3450	101	3750	49	3890	84	3949	106
3394	74	3451	127	3781	111	3892	85	3950	106
3395	28	3452	124	3807	35	3893	85	3951	106

CROSS REFERENCE PAGE GUIDE BY ITEM NUMBER

CROSS REFERENCE PAGE GUIDE BY ITEM NUMBER

ITEM #	Page #								
3952	106	5204	32	5362	30				
3953	107	5223	125	5364	126				
3954	107	5224	92	5372	28				
3955	107	5228	63	5378	68				
3956	107	5229	72	5382	131				
3957	107	5233	107	5387	31				
3958	108	5239	107	5388	31				
3959	112	5241	95	5394	39				
3960	117	5248	53	5397	45				
3961	118	5252	33	5400	49				
3962	118	5253	126	5408	52				
3963	118	5254	57	5468	123				
3964	118	5257	54	5469	124				
3966	122	5258	70	5470	124				
3967	122	5259	41	5477	132				
3968	125	5260	54	5479	68				
3969	130	5261	52	5481	66				
3970	131	5262	50	5486	116				
3971	132	5264	46	5494	44				
3972	132	5265	42	5497	67				
3979	77	5283	34	5499	66				
3986	81	5284	52	5501	37				
4045	51	5287	61	5502	33				
4326	83	5288	28	5506	57				
4406	84	5290	36	5508	54				
4435	51	5291	82	5510	103				
4490	104	5292	82	5515	65				
4527	82	5293	52	5517	99				
4534	44	5294	127	5522	58				
4559	83	5298	110	5528	80				
4596	53	5299	44	5529	28				
4643	44	5300	40	5535	40				
4645	58	5303	72	5538	58				
4662	66	5310	34	5542	43				
4733	53	5312	113	5543	40				
4829	51	5313	123	5546	66				
4847	49	5318	33	5548	74				
4856	93	5319	45	5551	35				
4873	130	5321	44	5560	33				
4909	123	5329	68	5561	82				
4912	37	5331	69	5586	79				
5185	85	5332	69	5588	106				
5190	122	5333	69	9032	120				
5192	27	5334	127	9277	71				
5194	45	5335	127	9561	33				
5195	83	5343	33	9610	91				
5197	98	5344	41	9720	38				
5199	65	5351	83	9721	103				
5200	42	5354	112	9722	79				

CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #
50-99-7	70	91-20-3	93	108-18-9	53	121-46-0	95	517-51-1	114
55-21-0	30	91-22-5	114	108-24-7	26	121-57-3	116	519-87-9	58
59-88-1	106	91-56-5	81	108-31-6	83	121-69-7	54	524-38-9	80
60-29-7	65	91-66-7	51	108-32-7	113	122-20-3	124	527-61-7	55
60-35-5	26	92-52-4	32	108-44-1	121	122-39-4	58	536-74-3	104
63-74-1	116	94-93-9	115	108-46-3	114	122-51-0	123	538-62-5	59
64-17-5	27	95-14-7	31	108-59-8	57	123-31-9	80	540-37-4	81
65-85-0	30, 31	95-45-4	55	108-78-1	83	123-42-2	80	540-84-1	125
66-71-7	103	95-53-4	121	108-80-5	43	123-51-3	81, 82	540-88-5	35
67-43-6	51	95-54-5	105	108-88-3	120, 121	123-54-6	100	546-68-9	120
67-56-1	84	95-55-6	28	108-91-8	44	123-72-8	39	553-26-4	32
67-63-0	82	96-77-5	104	108-93-0	44	123-75-1	114	557-93-7	34
67-64-1	26	97-99-4	119	108-95-2	104	123-86-4	35	558-37-2	55
67-68-5	91	98-86-2	27	109-04-6	34	123-96-6	97	563-45-1	84
69-65-8	83	98-88-4	31	109-50-2	78	124-11-8	94	565-61-7	89
71-23-8	113	99-76-3	88	109-57-9	27	124-41-4	116	565-68-4	91
71-36-3	36	99-94-5	121	109-66-0	100	126-73-8	122	583-58-4	58
71-41-0	28	100-37-8	51	109-67-1	100	126-86-3	119	589-35-5	89
74-99-7	113	100-42-5	116	109-76-2	49	127-19-5	53	590-13-6	34
75-04-7	64	100-46-9	31	109-92-2	67	127-66-2	105	590-18-1	35
75-07-0	26	100-51-6	31	109-99-9	119	127-68-4	116	590-38-5	90
75-12-7	70	100-52-7	30	110-13-4	26	128-37-0	49	590-93-2	37
75-15-0	39, 40	100-58-3	107	110-54-3	76	131-16-8	61	592-41-6	76
75-50-3	124	100-59-4	107	110-59-8	100	134-31-6	81	592-42-7	75
75-56-9	113	100-63-0	106	110-65-6	37	140-22-7	59	592-76-7	72
75-65-0	36	100-70-9	43	110-82-7	43	141-43-5	28	592-85-8	40
75-75-2	83	101-81-5	60	110-83-8	44	141-52-6	116	598-23-2	85
75-77-4	42	101-84-8	106	110-85-0	110	141-78-6	64	598-25-4	84
75-84-3	93	102-06-7	59	110-86-1	113	142-30-3	56	603-35-0	130
75-89-8	124	102-69-2	130	110-87-2	52	143-22-6	123	612-82-8	120
77-08-7	119	102-71-6	122	110-91-8	92	148-24-3	81	617-86-7	123
77-75-8	91	102-79-4	36	111-12-6	88	149-57-5	66	622-76-4	105
77-76-9	53	102-82-9	121	111-14-8	72	230-07-9	103	623-47-2	67
77-85-0	80	105-31-7	78	111-29-5	100	230-46-6	103	624-64-6	35
78-10-4	118	105-46-4	35	111-42-2	50	287-92-3	45	624-95-3	55
78-27-3	68	105-53-3	52	111-66-0	97	298-96-4	130	625-84-3	58
78-40-0	123	105-58-8	51	111-78-4	45	302-01-2	79	627-19-0	101
78-66-0	57	106-34-3	114	111-87-5	96	314-46-5	28	627-20-3	100
78-77-3	82	106-42-3	132	111-96-6	51	366-18-7	32	627-21-4	101
78-78-4	82	106-49-0	121	112-36-7	51	370-81-0	44	627-27-0	35
78-80-8	84	106-50-3	105	112-38-9	131	426-65-3	66	628-16-0	75
78-83-1	82	106-51-4	31	112-43-6	131	441-38-3	31	628-41-1	43
78-93-3	85	107-00-6	37	112-47-0	47	480-96-6	30	628-63-7	28
84-51-5	64	107-12-0	113	112-88-9	96	484-11-7	57	628-71-7	73
84-65-1	28	107-15-3	65	115-19-5	85	486-25-9	70	629-05-0	98
84-66-2	52	107-19-7	111	119-61-9	31	493-02-7	47	629-11-8	75
84-74-2	49	107-21-1	65	119-93-7	120	501-65-5	58	629-73-2	74
87-66-1	114	107-41-5	89	120-80-9	40	503-17-3	37	629-74-3	74
91-17-8	47	107-46-0	75	121-44-8	123	504-63-2	111	629-89-0	96

CROSS REFERENCE PAGE GUIDE BY CAS NUMBER

CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #
637-88-7	44	922-59-8	90	1530-04-7	59	2425-79-8	34	4339-05-3	88
643-79-8	110	922-67-8	91	1530-05-8	59	2437-56-1	122	4341-76-8	64
646-04-8	100	926-55-6	90	1563-01-5	117	2450-71-7	112	4376-16-3	86
673-32-5	108	927-74-2	38	1573-17-7	48	2586-89-2	73	4409-98-7	60
677-22-5	37	927-80-0	65	1577-22-6	76	2695-48-9	33	4526-07-2	125
680-31-9	75	928-49-4	78	1634-04-4	84	2696-26-6	56	4616-63-1	112
693-02-7	77	928-89-2	40	1647-16-1	46	2774-84-7	132	4733-39-5	29
693-04-9	36, 37	928-90-5	79	1660-93-1	119	2777-65-3	132	4891-38-7	91
763-29-1	90	928-96-1	77	1662-01-7	29	2777-66-4	92	4911-60-8	56
764-01-2	38	929-21-5	40	1679-36-3	79	2789-88-0	61	4938-52-7	72
764-13-6	56	929-53-3	46	1719-19-3	107	2798-73-4	83	5009-11-0	77
764-33-0	78	930-51-8	45	1720-38-3	46	2806-97-5	38	5048-31-7	83
764-35-2	77	931-48-6	44	1726-12-1	60	2809-67-8	98	5075-33-2	88
764-38-5	101	931-51-1	44	1754-49-0	52	2809-69-0	75	5137-55-3	27
764-60-3	78	933-52-8	119	1758-33-4	64	2916-68-9	126	5144-89-8	103
764-93-2	47	935-14-8	52	1777-03-3	123	2978-58-7	28	5216-31-9	52
765-03-7	62	979-88-4	49	1785-53-1	131	3031-68-3	75	5272-33-3	92
765-10-6	118	993-53-3	125	1785-61-1	52	3087-36-3	120	5272-35-5	128
765-13-9	100	994-30-9	42	1817-51-2	105	3230-69-1	90	5272-36-6	129
765-27-5	63	994-89-8	122	1817-57-8	105	3143-02-0	89	5390-04-5	102
766-47-2	69	995-34-6	125	1820-43-6	50	3248-05-3	57, 58	5470-11-1	80
766-82-5	69	999-78-0	57	1823-14-9	108	3266-23-7	64	5557-88-0	101
766-90-5	112	1002-28-4	78	1826-28-4	109	3355-28-0	33	5582-62-7	128
766-97-2	70	1002-36-4	74	1849-27-0	106	3416-74-8	41	5683-31-8	129
766-98-3	70	1046-56-6	113	1932-92-9	112	3452-09-3	95	5858-33-3	32
768-32-1	109	1058-71-5	109	1942-45-6	98	3524-75-2	27	5876-76-6	105
768-56-9	104	1066-54-2	125	1942-46-7	48	3601-67-0	56	5877-42-9	66
768-60-5	68	1070-89-9	116	1945-84-2	69	3682-35-7	130	5921-73-3	95
768-70-7	68	1071-76-7	132	1966-65-0	107	3761-92-0	77	5923-02-4	107
772-38-3	37	1083-48-3	93	2028-63-9	38	3844-94-8	127	5929-72-6	57
775-12-2	60	1111-97-3	41	2083-91-2	54	3891-07-4	80	5930-98-3	126
818-72-4	99	1119-65-9	73	2114-42-3	45	3922-40-5	53	5963-77-9	101
821-09-0	101	1120-36-1	117	2117-11-5	102	3923-52-2	60	6089-04-9	111
821-41-0	77	1122-58-3	54	2117-12-6	125	4050-45-7	76	6089-09-4	102
821-95-4	131	1126-79-0	37	2170-06-1	109	4070-90-0	84	6094-02-6	87
822-21-9	75	1129-65-3	106	2198-23-4	94	4071-88-9	67	6097-07-0	103
826-81-3	81	1134-35-6	55	2200-91-1	69	4074-23-1	124	6097-08-1	79
865-47-4	111	1148-79-4	117	2203-80-7	87	4079-68-9	51	6152-67-6	115
871-28-3	101	1245-13-2	49	2216-94-6	67	4088-60-2	43	6153-92-0	59
871-84-1	96	1300-92-1	29	2243-98-3	131	4116-93-2	46	6192-52-5	121
871-90-9	41	1330-20-7	132	2248-13-7	70	4117-09-3	33	6224-91-5	129
871-91-0	99	1458-98-6	33	2294-72-6	132	4117-14-0	48	6261-22-9	102
872-17-3	43	1465-25-4	93	2384-70-5	48	4187-86-4	102	6323-79-1	61
873-73-4	41	1470-61-7	115	2384-73-8	72	4187-87-5	108	6323-82-6	50
873-77-8	42	1482-15-1	57	2384-85-2	48	4199-88-6	93	6336-58-9	49
886-66-8	59	1483-67-6	73	2384-86-3	48	4199-89-7	41	6443-92-1	72
917-92-0	55	1504-58-1	108	2396-63-6	72	4250-81-1	107	6485-79-6	124
920-38-7	116	1522-13-0	130	2396-65-8	94	4298-52-6	69	6651-36-1	44
920-39-8	83	1530-03-6	60	2401-73-2	50	4313-57-9	85	6746-94-7	46

CROSS REFERENCE PAGE GUIDE BY CAS NUMBER

CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #
6765-39-5	71	13461-74-0	68	17669-40-8	85	25400-83-3	53	40575-42-6	97
6921-27-3	61	13721-54-5	77	17679-92-4	97	26186-00-5	71	41105-35-5	41
6921-28-4	61	13774-81-7	28	17715-00-3	45	26186-02-7	122	41446-63-3	118
6921-29-5	130	13965-03-2	130	17869-75-9	128	27607-77-8	129	41862-94-6	63
6975-99-1	63	13610-02-1	108	17869-76-0	128	27913-19-5	84	42333-78-8	131
6999-03-7	34	14024-56-7	83	17869-77-1	92	27943-46-0	85	42472-69-5	27
6999-19-5	125	14024-64-7	120	17889-43-9	92	27975-78-6	108	48209-28-5	43
7154-75-8	90	14044-63-4	38	17938-13-5	126	28048-33-1	114	50405-39-5	33
7223-38-3	54	14235-81-5	68	17988-44-2	127	28393-00-2	71	50428-63-2	72
7223-50-9	112	14267-92-6	41	18156-74-6	128	28393-01-3	74	50525-27-4	32
7333-25-7	96	14273-06-4	67	18162-48-6	36	28393-02-4	61	50890-67-0	49
7381-30-8	128	14374-45-9	106	18229-77-1	102	28393-04-6	62	51065-64-6	86
7383-19-9	73	14396-90-8	38	18270-17-2	129	30389-18-5	68	51193-99-8	85
7383-77-9	53	14548-31-3	77	18387-60-5	92	30525-89-4	99	51255-61-9	117
7433-56-9	47	14586-54-0	104	18495-27-7	34	30964-00-2	73	51277-03-3	66
7433-78-5	47	14604-46-7	102	18669-04-0	26	30980-37-1	58	51721-39-2	48
7439-95-4	83	14630-40-1	125	18736-95-3	45	31301-28-7	91	51887-25-3	122
7440-44-0	39	14630-42-3	126	18804-36-9	40	31333-13-8	95	51908-64-6	40
7642-04-8	97	14634-91-4	104	18937-78-5	86	31508-12-0	95	52698-84-7	29
7642-09-3	76	14686-13-6	72	18937-79-6	87	31699-38-4	62	53293-00-8	78
7642-15-1	97	14686-14-7	72	19447-29-1	95	32266-60-7	29	53566-37-3	87
7647-01-0	79, 80	14850-22-7	97	19549-98-5	56	32398-69-9	74	53596-80-8	75
7688-21-3	76	14850-23-8	96	19550-56-2	55	32458-20-1	29	53611-17-9	115
7782-99-2	117	14916-79-1	74	19780-12-2	63	32569-86-1	35	53723-19-6	95
7789-60-8	110	14916-80-4	99	19780-84-8	79	32634-66-5	61	53744-42-6	29
7789-78-8	39	14919-01-8	97	19781-78-3	73	33128-29-9	74	53963-03-4	46
7803-57-8	79	15232-76-5	98	19781-81-8	74	33925-75-6	122	54050-92-9	86
8032-32-4	103	15252-44-5	103	19781-82-9	74	34714-00-6	42	54377-34-3	40
9002-18-0	27	15252-45-6	79	20184-89-8	95	34825-70-2	28	55182-74-6	118
9002-92-0	32	15389-73-8	93	20184-91-2	95	35148-19-7	62	55314-57-3	67
10061-01-5	50	15435-71-9	115	20624-25-3	115	35153-15-2	118	55897-64-8	53
10061-02-6	50	15635-95-7	32	20739-58-6	99	35161-71-8	91	55944-43-9	65
10147-11-2	108	15740-92-8	55	20739-59-7	79	35171-26-7	60	56563-37-2	39
10160-87-9	112	15808-23-8	96	20937-57-9	86	35216-11-6	118	56578-18-8	47
10229-10-4	102	15854-87-2	81	21020-27-9	90	36309-88-3	30	56849-88-8	54
10297-06-0	40	16141-18-7	69	21490-63-1	64	36566-80-0	87	56932-43-5	93
10401-11-3	69	16192-07-7	112	22059-22-9	26	37011-94-2	118	57223-18-4	95
10405-84-2	94	16205-84-8	67	22592-15-0	41	37050-06-9	88	57355-72-3	99
10477-47-1	111	16205-90-6	66	23056-94-2	87	37051-60-8	99	57718-18-0	107
10519-20-7	66	16356-02-8	53	23326-27-4	85	38002-45-8	34	58479-61-1	36
10575-25-4	50	16387-71-6	46	23418-85-1	39	38170-80-8	126	60037-69-6	118
13154-24-0	42	16400-32-1	34	23570-43-6	104	38274-16-7	126	60212-29-5	131
13224-84-5	129	16520-62-0	105	23580-51-0	89	38460-95-6	131	60212-30-8	132
13269-52-8	76	16930-95-3	65	23719-80-4	46	38771-21-0	33	60212-31-9	132
13291-18-4	82	16967-02-5	107	24342-04-9	90	38841-98-4	98	60657-70-7	89
13360-61-7	99	17356-17-1	86	24567-41-7	61	39645-91-5	94	60908-54-5	115
13361-64-3	129	17356-19-3	68	24612-83-7	98	40231-03-6	127	61827-89-2	62
13368-42-8	128	17573-94-3	54	25005-97-4	119	40276-93-5	87	62063-67-6	54
13389-42-9	97	17603-76-8	88	25322-68-3	110, 111	40430-66-8	68	62595-52-2	28

**CROSS
REFERENCE
PAGE
GUIDE
BY
CAS
NUMBER**

CROSS REFERENCE PAGE GUIDE BY CAS NUMBER

CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #	CAS #	Page #
62758-13-8	114	108775-02-6	109						
63093-41-4	67	108775-03-7	109						
63451-34-3	49	108775-05-9	109						
64034-03-3	71	115756-75-7	117						
65939-59-5	73	116279-08-4	45						
66990-30-5	122	119389-05-8	106						
66990-32-7	99	120186-59-6	32						
67071-94-7	71	120650-77-3	89						
67237-53-0	69	126764-15-6	33						
68017-33-4	87	130995-13-0	127						
68274-97-5	48	134856-58-9	127						
68510-43-0	121	135663-98-8	106						
69221-99-4	63	136667-54-4	96						
69288-29-5	63	139697-98-6	27						
69304-37-6	50	140654-92-8	117						
69739-34-0	36	142646-58-0	58						
70283-74-8	47	145609-79-6	92						
71065-39-9	86	155879-96-2	38						
71789-10-1	128	160194-28-5	123						
73117-10-9	51	160194-29-6	123						
74514-59-3	89	168922-04-1	117						
74602-32-7	62	174063-93-5	63						
75213-31-9	30	174063-94-6	70						
75568-02-4	122	174063-95-7	71						
75867-44-6	127	174063-97-9	94						
75867-46-8	52	174064-00-7	118						
77113-48-5	42	174064-02-9	123						
77758-51-1	88	174125-30-5	42						
78629-20-6	56	188187-34-0	30						
79271-56-0	124								
80522-42-5	124								
81166-84-9	127								
84975-52-0	71								
85655-98-7	77								
86318-61-8	36								
86521-05-3	127								
86840-72-4	81								
87777-46-6	86								
89343-06-6	124								
92136-39-5	35								
95764-76-4	86								
96850-54-3	56								
97514-97-1	129								
98014-14-3	32								
100256-61-9	62								
105339-02-4	66								
106073-69-2	94								
108545-38-6	66								
108545-39-7	66								

UV/Vis SPECTROPHOTOMETER STANDARDS from GFS Chemicals

IN-SPEC®



NIST Traceable UV/Vis Validation Standards

Photometric Accuracy Standards (Absorbance)



Color Standards for Short Path Length Instruments and Microplate Readers



Wavelength & Stray Light Standards



APHA Standards



Transmittance Standards



When Precision Matters Most

GFS
CHEMICALS®



For More Information:

www.inspec.com

To order by phone contact Rachel Stapf at
614-824-3299 extension 121.

UV/Vis SPECTROPHOTOMETER STANDARDS from GFS Chemicals

UV Standards

Wave-length	UV-1 #8301	UV-2 #8302	UV-3 #8303	UV-4 #8304	UV-5 #8305	UV-6 #8306	UV-7 #8307	UV-8 #8308	UV-9 #8309	UV-10 #8310
250	0.086	0.127	0.177	0.205	0.247	0.247	0.219	0.270	0.219	0.164
254	0.081	0.120	0.165	0.203	0.233	0.216	0.177	0.228	0.154	0.101
260	0.075	0.112	0.152	0.199	0.207	0.282	0.437	0.484	0.867	1.420
280	0.056	0.070	0.112	0.169	0.220	0.283	0.322	0.355	0.715	1.054
300	0.039	0.060	0.079	0.131	0.155	0.201	0.270	0.253	0.806	0.754
350	0.011	0.030	0.042	0.072	0.086	0.110	0.127	0.129	0.284	0.420
400	0.007	0.018	0.026	0.045	0.054	0.068	0.040	0.086	0.179	0.246

Visible Standards

Wave-length	VIS-0.05 #8311	VIS-0.1 #8312	VIS-0.2 #8322	VIS-0.5 #8313	VIS-0.8 #8314	VIS-1.0 #8315	VIS-4.0 #8316
400	0.122	0.260	0.728	1.254	1.882	2.438	3.437
450	0.082	0.177	0.500	0.871	1.323	1.780	3.306
500	0.059	0.126	0.380	0.628	0.957	1.298	3.238
550	0.043	0.093	0.270	0.470	0.719	0.978	3.127
600	0.034	0.072	0.212	0.368	0.568	0.787	2.917
650	0.027	0.056	0.169	0.294	0.450	0.613	2.524
700	0.022	0.045	0.137	0.239	0.385	0.493	2.111
750	0.018	0.037	0.111	0.195	0.299	0.406	1.740
800	0.017	0.030	0.092	0.181	0.247	0.354	1.440

Please note that the values in the table are representative values only and are to assist in selecting the appropriate standard for your application. The actual value of the lot you receive may vary. The data presented is representative of a 1cm pathlength cell.

We Make it Easy and Affordable

Our development team will customize the reference standards to validate your instrument for your application.

To manufacture your custom standards, you will need to provide the following information:

- Wavelength(s) of interest
- Path length
- Instrumentation make and model
- Desired sample absorbance range

Our problem-solving lab team is available Monday through Friday from 7:30 am to 4:00 pm EST.

To order by phone contact Rachel Stapf at 614-824-3299 extension 121.

IN-SPEC®

Features

Non-Toxic

Inexpensive

Easy to Use

NIST Traceable

Live Technical Assistance

Customizable

Manufactured by GFS

Benefits

No disposal fees
Green Alternative

Save cost compared to
Sealed cuvette alternatives

No wasted time with dilutions
No special precautions

Confidence in instrumentation & readings
Meets regulatory requirements

Assistance for method development
Help with troubleshooting

Made for your application
Multiple pathlengths and wavelengths
available
Extensive data provided

In stock and ready to ship
Trusted name for quality in the industry



In-Spec® Nanokit



GFS CHEMICALS TERMS OF SERVICE

Limitation on GFS Product Use, Warranties and Liability

GFS products are warranted to conform, on the date of shipment, to the GFS specifications in effect at the time of product manufacture. The GFS warranty obligation is limited to either replacement of non-conforming product or the refund of the purchase price.

Unless otherwise specifically certified in writing by an Officer of GFS Chemicals, Inc. (GFS) GFS products are not intended, approved or authorized for human or animal consumption nor for direct use in any food, drug or cosmetic applications. GFS products are warranted to meet our specifications as set forth in the GFS Lot Analysis or other Company literature specifically relating thereto only. By accepting GFS' products, Customer agrees to the limitations set forth herein, assumes all responsibility for the proper use of such products in accordance with these limitations, and agrees to indemnify, defend and hold harmless GFS from and against any and all claims, suits and/or liability in

the event such products are used in a manner contrary to these limitations.

GFS HEREBY DISCLAIMS ANY AND ALL WARRANTIES, LIABILITY AND/OR RESPONSIBILITY IN CONNECTION WITH ANY USE OR APPLICATION OF ITS PRODUCTS IN A MANNER CONTRARY TO THE LIMITATIONS SET FORTH HEREIN AND/OR SOLD AS REPACKED COMPANY BRANDED MATERIALS TO THIRD PARTIES. ANY USE OR APPLICATION OF ITS PRODUCTS IN A MANNER CONTRARY TO THESE LIMITATIONS SHALL BE AT THE USER'S SOLE RISK, AND SHALL RELIEVE GFS OF ALL WARRANTIES, LIABILITY AND RESPONSIBILITY WITH RESPECT THERETO

These limitations may not be modified, affected or superseded by Customer, nor by any language, term or provision contained in Customer's purchase order, confirmation or other correspondence or communication.

ONLY AN OFFICER OF GFS CHEMICALS MAY ALTER GFS STANDARD TERMS AND CONDITIONS. RELIANCE ON CONTRADICTORY STATEMENTS, WHETHER VERBAL OR WRITTEN, BY NON-AUTHORIZED GFS EMPLOYEES THAT WOULD ALTER THESE STANDARD GFS TERMS AND CONDITIONS IS STRICTLY PROHIBITED.

GFS Chemicals products will only be warranted if purchased directly from GFS Chemicals or through an authorized GFS Chemicals distributor.

GFS Chemicals, Inc. offers technical information and products for use by qualified technicians capable of understanding and communicating their respective hazards. Any recommendations or suggestions are made without warranty or guaranty of any kind. GFS assumes no responsibility connected with the use of our products or print information of any kind. In no case is the purchase of GFS products to be taken as a license to violate or infringe upon any patent.

Prices and Terms

All prices listed in this catalog are net consumer prices. Terms of sale are net 30 days with established credit, FOB our plant in Columbus, Ohio. Unless otherwise instructed, freight charges will be either prepaid and invoiced to the customer or COD at the discretion of the Company. We reserve the right to make price changes without formal notice. GFS is proud to offer the following credit card options for your convenience: Visa, MasterCard, and American Express.

TSCA Compliance

GFS makes a concerted effort to foster customer awareness of the limitations placed, by regulation, on the use of research chemicals. GFS products that are not listed on the Toxic Substances Control Act (TSCA) are to be used only for R&D purposes, by qualified technicians capable of understanding and communicating their respective hazards.

International Orders

Unless otherwise agreed to in writing by GFS, all international orders are shipped FOB Columbus, Ohio USA - GFS plant base. Payment terms set upon acceptance of order. Letter of Credit method is acceptable for orders in the amount of \$5,000 and above with GFS instructions. The freight forwarder and bank utilized for LC shipments will be that of GFS Chemicals. All prices shown are in U.S. dollars. Payment in U.S. funds, by wire transfer or check drawn on a U.S. bank.

Safety: Material Safety Data Sheets

We offer MSDS information on all of the products that we sell. If you would like MSDS information to accompany your order, please request it at the time that the order is placed. We will make sure that it is included with your order. If for any reason you should need a second copy, we will be happy to fax one to you - usually the same day! Available in November 2001, you can search and download MSDS information from our redesigned and redeveloped website.

Transportation and Shipping

For your information and ease of ordering, we have included DOT hazard information on our entire line of chemicals. All products in this catalog may be shipped by commercial freight. Limitations on package size and quantity may be restricted by the carrier and hazard fees may apply. Some products (Hazard Class 6.1) can be shipped by some carriers only when contained in a special poison pack. There will be an extra charge for this service.

Return Goods

No return shipments will be accepted without prior permission and instructions being obtained. If an error is made in placing or filling your order, please advise us promptly so that we may take proper action. No return goods or claims will be allowed beyond 60 days. Orders for items not listed in this catalog or that have specifications which are not printed in this catalog are considered special/custom orders and shall be processed by GFS on take-or-pay terms. A MINIMUM 25% restock charge may apply to non-custom orders.

Product Information

Chemical Abstracts Service numbers are included for most products. This number may be the one listed for the compound in the TSCA Substance Inventory for some hydrated materials. Some additional product information is available in the GFS Chemicals Publications listed inside the back cover of our print catalog.

Definitions of Purity Grades

Certified: Primary standard material for use in very exact analysis. Assay between 99.97% and 100.03% with our determined value on the label.

Primary Standard: For use as a standard in analysis. Assay value 99.9% to 100.1%, or as noted.

High Purity Materials: When the assay appears as a specification, it is based on a determination of the product. When the assay appears as part of the product name, it refers to a metals purity basis and does not indicate standard reference purity.

Reagent (ACS): Material meets specifications as given in ACS Reagent Chemicals or supplements thereto.

Reagent: High purity material meeting the indicated specifications. Normally, specifications are comparable to those for similar ACS materials.

Technical: Material satisfactory for uses where a reagent grade is not necessary.

Commercial: Materials being prepared in volume for general industrial use. Normally not of reagent quality.

Manufacturing Fine Chemicals for Applied Technologies

The world's foremost producer of several hundred specialty acetylenics. Full service supplier of synthetic intermediates, Grignard reagents, catalysts, solvents, inorganics, and analytical lab reagent salts and solutions.

GFS Chemicals is a manufacturer of fine chemicals located in Columbus, Ohio since 1928. We offer over 6000 items in our catalog, covering a wide range of laboratory needs for both analytical and research chemists.

As a manufacturer, GFS understands the needs of the laboratory chemist, process chemist and chemical engineer. We provide quality products backed with technical knowledge and experience to give our customers a wide range of laboratory chemicals, research chemicals and process chemicals.

Here are some of the advantages of working with GFS, a family owned and operated company:

- **GFS Chemicals is ISO-9000:2008 certified**
- **Competitive Pricing**
- **Major credit cards accepted:**
Mastercard, Visa, American Express
- **Convenient hours: Monday to Friday, 8:00 a.m. to 5:30 p.m. Eastern**
- **Order by phone, fax, or e-mail**
- **Personalized service — You'll like our people!**
- **Technical assistance readily available**

Give us the opportunity to earn your business with quality products delivered on-time and backed by personal service and technical expertise. Call us at 800-858-9682 and tell us how we can help you. (740) 881-5501 International.

Order online at
www.gfschemicals.com
For more information on organics
www.gfsorganics.com

