

GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

1619

WATERMARK KF COULOMETRIC VESSEL SOLUTION for ALDEHYDES and KETONES

CHEMICAL NAME & SYNONYMS

Watermark Coulometric Vessel Solution
Aldehydes and Ketones

DOT CLASS

3/6.1/II

SARA TITLE 313

Yes chloroform, for
2-methoxyethanol

FORMULA

2-methoxyethanol 30-60%
Chloroform 10-30%
2,2,2-Trifluoroethanol 10-30%
Imidazole 5-15%
Sulfur dioxide 1-2%
Imidazole Hydroiodide 1-20%
Imidazole Hydrobromide 1-20%

REPORTABLE QUANTITY

N/A
4.54 kg
N/A
N/A
227 kg
N/A
N/A

CAS#

109-86-4
67-66-3
75-89-8
288-32-4
7446-09-5
68007-08-9
101023-55-6

PHYSICAL DATA

Boiling point 60°C; Density 1.2; pH about 5; Water soluble.

APPEARANCE & ODOR

Clear to light brown liquid, characteristic odor

REACTIVITY & CONDITIONS TO AVOID

Stable. Flammable, avoid oxidizers, ignition sources, heat. Will dissolve many plastics.

FIRE HAZARDS

Flammable, will release toxic compounds when burning. Firefighters wear SCBA and full protective gear. NFPA # 2-3-0.

EXTINGUISHER

Water spray, Foam, CO₂, Dry chemical

FLASHPOINT

32°C

LEL

2.5%

UEL

20%

HEALTH HAZARDS

Irritating to skin, eyes and mucous membranes. Harmful if swallowed, inhaled or absorbed through the skin. Target organs: Blood, kidney, liver, lungs, central nervous system. Principal routes of absorption: dermal, inhalation, oral. May cause reproductive, mutagenic or teratogenic effects. Chloroform is listed as a suspect carcinogen by NTP. Warning: This product contains a chemical (chloroform) known to the state of California to cause cancer and this product contains a chemical (2-methoxyethanol) known to the state of California to cause birth defects or other reproductive harm.

SPECIAL PRECAUTIONS

Goggles, rubber gloves must be worn. Use in well ventilated hood. Store at room temperature (15-30°C). Keep containers tightly closed. Avoid all contact.

FIRST AID

Eyes, skin: Wash with water for at least 15 minutes. If irritation persists, get medical attention. Inhalation: Remove to fresh air, call physician. Ingestion: Give water or milk and get immediate medical attention.

SPILLS & LEAKS

Eliminate ignition sources, take up with absorbent. Dispose in accordance with all local, state, and federal regulations.

CATALOG #

1619

PREPARED BY

MDM

DATE

December 6, 2004