

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

884

CARBON DISULFIDE

CHEMICAL NAME & SYNONYMS

Carbon Disulfide; Carbon Bisulfide

DOT CLASS

3/6.1/I

SARA TITLE 313

Yes

TSCA listed - Yes

FORMULA

CS₂

REPORTABLE QUANTITY

45.4 kg

F.W.

76.13

CAS#

75-15-0

PHYSICAL DATA

Boiling point 46°C; Melting point -111°C; Density 1.26; Vapor pressure 400 mm @ 28°C; Vapor density (air=1) 2.64; Slightly soluble in water; 100% volatile.

APPEARANCE & ODOR

Clear, colorless to amber liquid. Unpleasant sulfide odor.

REACTIVITY & CONDITIONS TO AVOID

Stable. No hazardous self reactivity. Protect from heat and light. Violent reaction with many oxidizers, alkali metals, azides.

FIRE HAZARDS

Extremely flammable. Avoid inhalation of smoke or fumes. Firefighters wear SCBA. NFPA # 3-3-0.

EXTINGUISHER

CO₂, foam or dry chemical

FLASHPOINT

-30°C

LEL

1.3%

UEL

50%

HEALTH HAZARDS

Harmful or fatal if swallowed, inhaled or absorbed through the skin. Liquid and vapors are irritating to skin, eyes and mucous membranes. LC₅₀ (Inhal-rat) 25 g/m³/2 hours. OSHA PEL TWA 20 ppm; Ceiling 30 ppm; 30 min. peak 100 ppm; ACGIH TLV 1 ppm. No evidence of carcinogenicity. Toxic effects - acute narcotic or anesthetic CNS effects. Chronic - vision disturbances, pain in extremities, loss of strength, excitation or depression and insomnia. Experimental teratogen and reproductive effects on spermatogenesis. Mutagenic. Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

SPECIAL PRECAUTIONS

Use only with good ventilation or proper respirator to avoid inhalation. Use goggles and rubber gloves while handling. Avoid all contact.

FIRST AID

Wash skin and eyes thoroughly with water. Inhalation - remove to fresh air, if breathing is difficult give oxygen, if breathing stops give respiration. Get medical assistance. If swallowed give milk or water to drink and get immediate medical attention.

SPILLS & LEAKS

Take up spill in absorbent. Extinguish any ignition sources and ventilate area well. Disposal to incinerator. Wash area thoroughly with water.

CATALOG #

884

PREPARED BY

MDM

DATE

October 5, 2006