GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

884

CARBON DISULFIDE

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
Carbon Disulfide; Carbon Bisulfide	3/6.1/I	Yes
	TSCA listed - Yes	

FORMULA	REPORTABLE QUANTITY	F.W.	CAS#
CS_2	45.4 kg	76.13	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	FLASHPOINT	LEL	UEL
CO_2, foam or dry chemical	-30°C	1.3%	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. LC_{50} (Inhal-rat) 25 g/m^3/2 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 #	PREPARED BY	DATE
884	MDM	October 5, 2006