

**GFS CHEMICALS, INC.**

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**MATERIAL SAFETY DATA SHEET**

1072

**CHLOROBENZENE**

**CHEMICAL NAME & SYNONYMS**

Chlorobenzene; Monochlorobenzene

**DOT CLASS**

3/III

**SARA TITLE 313**

No

**TSCA listed** - Yes

**FORMULA**

C<sub>6</sub>H<sub>5</sub>Cl

**REPORTABLE QUANTITY**

45.4 kg

**F.W.**

112.56

**CAS#**

108-90-7

**PHYSICAL DATA**

Density 1.10; Boiling point 131-132°C; Melting point -45°C; Vapor pressure 10 mm @ 22.2°C; Vapor density 3.88. Insoluble in water; 100% volatile.

**APPEARANCE & ODOR**

Clear colorless liquid. Faint almond-like odor.

**REACTIVITY & CONDITIONS TO AVOID**

Stable. Incompatible with oxidizers. Flammable.

**FIRE HAZARDS**

Flammable. Firefighters wear SCBA. NFPA # 2-3-1.

**EXTINGUISHER**

CO<sub>2</sub>, foam, dry chemical or water.

**FLASHPOINT**

28°C

**LEL**

1.3%

**UEL**

9.6%

**HEALTH HAZARDS**

Vapor hazardous particularly over long exposure times. Moderately toxic by ingestion or inhalation. Narcotic effect. LD<sub>50</sub> (oral-rat) 1100 mg/kg. LC<sub>50</sub> (inhal-rat) 2965 ppm. Reproductive effects. Teratogenic effects. Inadequate evidence to classify as a carcinogen. OSHA PEL:TWA 75 ppm; ACGIH TLV: TWA 10 ppm. Potential chronic effects: kidney, liver damage.

**SPECIAL PRECAUTIONS**

Avoid storage near fire or flame. Wear goggles and rubber gloves. Use good local ventilation or suitable respirator.

**FIRST AID**

Wash up with water after contact. Inhalation, remove to fresh air. If breathing is difficult, give oxygen. Use respiration if breathing has stopped. Get medical assistance. If swallowed, give water or milk and get immediate medical attention. Do not induce vomiting unless directed by a physician.

**SPILLS & LEAKS**

Ventilate area. Remove ignition sources. Take up into absorbent and dispose to incinerator.

**CATALOG #**

1072

**PREPARED BY**

MDM

**DATE**

December 14, 2004