GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

2597

1-BROMOBUTANE

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
1-Bromobutane; n-Butyl bromide	3/II	No
	TSCA listed - Yes	

FORMULA	REPORTABLE QUANTITY	F.W.	CAS#
$Br(CH_2)_3CH_3$	N/A	137.03	109-65-9

PHYSICAL DATA
Boiling point 101°C; Density 1.274; Melting point -112°C; Vapor pressure 34 mm Hg @ 20°C; Vapor density 4.7; Solubility 0.06 g/100 g water.

APPEARANCE & ODOR
Clear colorless to pale yellow liquid.

REACTIVITY & CONDITIONS TO AVOID
Stable. Incompatible with strong oxidizers, bases, amines and metals. Avoid ignition sources and excess heat.

FIRE HAZARDS
Flammable liquid, will emit toxic fumes of carbon monoxide, carbon dioxide and hydrogen bromide. Firefighters wear SCBA. NFPA # 2-3-0.

EXTINGUISHER	FLASHPOINT	LEL	UEL
CO_2, ABC dry powder, foam, water spray or fog.	17°C	2%	6.6%

HEALTH HAZARDS
Irritating to skin, eyes and mucous membranes. Long term exposure may cause liver, kidney or developmental effects. LD_{50} (oral-rat) 2961 mg/kg; LC_{50} (ihl-rabbit) 237,000 mg/m^3. OSHA PEL/ACGIH TLV not established. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS
Wear goggles, rubber gloves, protective clothing. Use only with adequate ventilation and/or suitable respiratory protection. Avoid all contact.

FIRST AID
Remove contaminated clothing immediately and launder before reuse. Discard contaminated shoes. For eyes, flush with plenty of water for at least fifteen minutes. Seek medical attention immediately. For skin, wash thoroughly with soap and water, while removing clothing. Seek medical attention. For inhalation, remove to fresh air. If not breathing give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Seek medical attention at once. For ingestion, give 1 to 2 glasses of water or milk and seek medical attention at once.

SPILLS & LEAKS
Ventilate area. Equip personnel with respirator. Take up spill in absorbent and dispose to incinerator or other suitable hazardous waste.

CATALOG #	PREPARED BY	DATE
2597	MDM	April 16, 2002