GFS CHEMICALS, INC.
P.O. Box 245 Powell, OH 43065
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1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

1708

BERYLLIUM ICP STANDARD

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
Beryllium ICP Standard, 1,000 ppm	8/III	Yes - NHO_3 and Be Cmpd.

TSCA listed - Yes

FORMULA		REPORTABLE QUANTITY	F.W.	CAS#
$Be_4O(OOCCH_3)_6$	0.1% (as Be)	454 g	358.28	19049-40-2
HNO_3	<5%	454 kg	63.01	7697-37-2
H_2O	>94%	N/A	18.02	7732-18-5

PHYSICAL DATA
Density 1.03; Boiling point 100°C; completely miscible with water.

APPEARANCE & ODOR
Clear liquid. May have faint odor of nitric acid.

REACTIVITY & CONDITIONS TO AVOID
Stable. Hazardous reactivity as dilute nitric acid.

FIRE HAZARDS
Will evaporate in fire, yielding vapors of Beryllium and Nitric Acid. Firefighters wear SCBA. NFPA # 3-0-2.

EXTINGUISHER	FLASHPOINT	LEL	UEL
Fight surrounding fire.	N/A	N/A	N/A

HEALTH HAZARDS
Corrosive to skin, eyes and mucous membranes. Beryllium considered to be carcinogen, tumorigen and neoplastigen. Consider toxic by all routes. OSHA PEL/ACGIH TLV: TWA 2 ug(Be)/m^3; OSHA PEL/ACGIH TLV: TWA 2 ppm (HNO_3); ACGIH TLV-STEL 4 ppm (HNO_3). Warning: This product contains a chemical (beryllium compounds) known to the state of California to cause cancer.

SPECIAL PRECAUTIONS
Wear goggles and rubber gloves while handling. Use only in good hood or well ventilated area.

FIRST AID
Wash skin and eyes thoroughly with water. See a physician. If swallowed, give water with milk of magnesia and induce vomiting. Call a physician. If breathing is difficult give oxygen. Do not give anything by mouth to an unconscious person.

SPILLS & LEAKS
Contain spill. Neutralize with soda or lime. Take up with absorbent and hold for disposal to hazardous waste. Wash area thoroughly with water.

CATALOG #	PREPARED BY	DATE
1708	MDM	March 18, 2003