

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

740

BARIUM STANDARD SOLUTION

CHEMICAL NAME & SYNONYMS

Barium Standard Solution, 1000 ppm

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

BaCl₂ < 0.2%
HCl < 1%
H₂O >99.8%

REPORTABLE QUANTITY

N/A
2270 kg
N/A

F.W.

244.28
36.46
18.02

CAS#

10361-37-2
7647-01-0
7732-18-5

PHYSICAL DATA

Boiling point about 100°C; Melting point about 0°C; Density 1.02; Completely miscible with water; >99% volatile.

APPEARANCE & ODOR

Water-clear liquid. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable. Avoid ingestion. 125 ml contains 125 mg of barium.

FIRE HAZARDS

None. NFPA # 1-0-1.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

May be irritating to skin, eyes and mucous membranes. Ingestion of large quantities may be fatal. LD₅₀ (oral-rat) 118 mg/kg.(BaCl₂). OSHA PEL/ACGIH TWA 0.5 mg (Ba)/m³. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles while handling.

FIRST AID

Wash contact area well with water. For ingestion of solution, give water or milk to drink and get medical attention.

SPILLS & LEAKS

Wash up with water. Disposal to drain. Check local regulations.

CATALOG #

740

PREPARED BY

MDM

DATE

November 22, 2006

Full Warranty and Limitations Statement should be reviewed at www.gfschemicals.com/terms.asp.