

GFS CHEMICALS, INC.
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1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

1717

CALCIUM ICP STANDARD

CHEMICAL NAME & SYNONYMS

Calcium ICP Standard, 10,000 ppm

DOT CLASS

8/III

SARA TITLE 313

Yes - HNO₃

TSCA listed - Yes

FORMULA

Ca(NO₃)₂ < 5%
HNO₃ < 5%
H₂O > 90%

REPORTABLE QUANTITY

N/A
454 kg
N/A

F.W.

164.08
63.01
18.02

CAS#

10124-37-5
7697-37-2
7732-18-5

PHYSICAL DATA

Density 1.03; Boiling point about 100°C; Completely miscible with water; >95% volatile.

APPEARANCE & ODOR

Clear, colorless liquid. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable. Corrosive liquid. No hazardous self-reactivity. Reactive with bases and metals.

FIRE HAZARDS

Will volatilize in general fire. Reacts with metals to form flammable hydrogen gas. Releases corrosive gas when heated. Do not inhale fumes. Firefighters wear SCBA. NFPA # 2-0-1.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Corrosive and irritating to skin, eyes and mucous membranes. Consider dangerous by ingestion, injection or inhalation due to corrosive nature. LD₅₀ (oral-rat) 3900 mg (Ca(NO₃)₂)/kg. OSHA PEL/ACGIH TLV: TWA 2 ppm (HNO₃); ACGIH TLV-STEL 4 ppm (HNO₃). No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling. Eye wash and emergency drench shower required in work area.

FIRST AID

Wash contact area thoroughly with water. If irritation persists, see a physician. If swallowed, give water or milk and DO NOT induce vomiting. Call a physician.

SPILLS & LEAKS

Wash up with water. Disposal of neutralized solution to sanitary drain. Check local regulations.

CATALOG #

1717

PREPARED BY

MDM

DATE

December 13, 2006

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