

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

MATERIAL SAFETY DATA SHEET

132

4,7-DIMETHYL-1,10-PHENANTHROLINE MONOHYDRATE

CHEMICAL NAME & SYNONYMS

4,7-Dimethyl-1,10-Phenanthroline Monohydrate

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

(CH₃)₂C₁₂H₆N₂•H₂O

REPORTABLE QUANTITY

N/A

F.W.

226.27

CAS#

3248-05-3

PHYSICAL DATA

Melting point 194-196°C (after loosing water of hydration); Soluble in benzene, alcohol; Slightly soluble in water.

APPEARANCE & ODOR

Tan to brown powder.

REACTIVITY & CONDITIONS TO AVOID

Stable. No hazardous reactivity.

FIRE HAZARDS

Will be consumed in general fire. Firefighters wear SCBA.

EXTINGUISHER

Fight surrounding fire

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Dust may be nasal irritant. May be harmful if swallowed or inhaled. LD/TD no data found. OSHA PEL/ACGIH TLV not established. The chemical, physical and toxicological properties have not been fully investigated. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles while handling. Use adequate ventilation to prevent inhalation of dust.

FIRST AID

Wash skin and eyes thoroughly with water after contact. If irritation develops, seek medical attention. If swallowed, give water or milk to drink and get medical attention.

SPILLS & LEAKS

Wash up with water. Disposal to incinerator or other suitable method.

CATALOG #

132

PREPARED BY

MDM

DATE

September 15, 2006