

GFS CHEMICALS, INC.

P.O. Box 245 Powell, OH 43065
740-881-5501(Tel.) 740-881-5989(Fax)
1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

232

4,7-DIHYDROXY-1,10-PHENANTHROLINE

CHEMICAL NAME & SYNONYMS

4,7-Dihydroxy-1,10-Phenanthroline;
1,10-Phenanthroline-4,7-Diol

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

C₁₂H₆N₂(OH)₂

REPORTABLE QUANTITY

N/A

F.W.

212.19

CAS#

3922-40-5

PHYSICAL DATA

Soluble in strong acid or strong base. Insoluble in water. Non-volatile and not melting at 300°C.

APPEARANCE & ODOR

Brown to grey brown powder. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable. No hazardous reactivity. Incompatible with oxidizing materials.

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

May be irritating to eyes and mucous membranes. Internal toxicity unknown - presumed low. No evidence of carcinogenicity. OSHA PEL/ACGIH TLV not established.

SPECIAL PRECAUTIONS

Wear goggles while handling. Use good ventilation or suitable respirator if dust is raised.

FIRST AID

Wash irritation area thoroughly with water. If eye irritation persists, see a physician. If swallowed, give water to drink and get medical attention. Do not induce vomiting unless directed by a physician.

SPILLS & LEAKS

Wash up with water. Disposal to sanitary drain (check local regulations first) or to incinerator.

CATALOG #

232

PREPARED BY

MDM

DATE

May 17, 2005