

GFS CHEMICALS, INC.

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1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

321

1,10-PHENANTHROLINE, SOLUTION

CHEMICAL NAME & SYNONYMS

1,10-Phenanthroline, Solution

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

C₁₂H₈N₂.H₂O < 1%

H₂O >99%

REPORTABLE QUANTITY

N/A

N/A

F.W.

198.21

18.02

CAS#

66-71-7

7732-18-5

PHYSICAL DATA

Boiling point 100EC. Freezing point 0EC. Density 1.0. Completely miscible with water. Aqueous solution, 0.12% (saturated) solution. 99.88% water.

APPEARANCE & ODOR

Water white - odorless solution.

REACTIVITY & CONDITIONS TO AVOID

Stable. Reacts with iron to give red color.

FIRE HAZARDS

None.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

May be irritating to eyes. TD/LD no information. TLV/PEL no limits established. Internal toxic effects unknown. No evidence of carcinogenicity. May discolor skin.

SPECIAL PRECAUTIONS

Wear goggles while handling. Use good laboratory practices.

FIRST AID

Wash skin and eyes thoroughly with water after contact. If eye irritation persists, get medical attention.

SPILLS & LEAKS

Wash up with water. Disposal to sanitary drain.

CATALOG #

321
1999

PREPARED BY

MDM

DATE

December 28,