

GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

294

BATHOCUPROINE, SULFONATED

CHEMICAL NAME & SYNONYMS

Bathocuproine, Sulfonated, Sodium Salt;
2,9-Dimethyl-4,7-Di(phenylsulfonic acid)-
1,10-Phenanthroline Disodium Salt

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

$C_{12}H_4N_2(CH_3)_2(C_6H_4SO_3Na)_2$

REPORTABLE QUANTITY

N/A

F.W.

564.55

CAS#

52698-84-7

PHYSICAL DATA

Very soluble in water. Hygroscopic.

APPEARANCE & ODOR

Light tan powder. Odorless.

REACTIVITY & CONDITIONS TO AVOID

No known hazardous reactivity. Stable to 300°C.

FIRE HAZARDS

Will decompose under fire conditions. May emit noxious fumes. Avoid inhalation of smoke.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Irritating to skin, eyes and mucous membranes. Will discolor skin. The toxicological properties of this material have not been thoroughly investigated. No health hazard information is available. Parent compound (1,10-Phenanthroline) is toxic internally, LD₅₀ (oral-rat) 132 mg/kg. No evidence of carcinogenicity. OSHA PEL/ACGIH TLV not established.

SPECIAL PRECAUTIONS

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

FIRST AID

Wash skin and eyes thoroughly with water. If swallowed, give water or milk and get medical attention. Do NOT induce vomiting unless directed by a physician.

SPILLS & LEAKS

Wash up with water. Disposal of small amounts to sanitary drain.

CATALOG #

294

PREPARED BY

MDM

DATE

December 10, 2003