

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

38

CUPRIC PERCHLORATE, HYDRATED

CHEMICAL NAME & SYNONYMS

Cupric Perchlorate, Hexahydrate

DOT CLASS

5.1/II

SARA TITLE 313

Yes-Cu Cmpds.

TSCA listed - Yes

FORMULA

Cu(ClO₄)₂•6H₂O

REPORTABLE QUANTITY

N/A

F.W.

370.55

CAS#

10294-46-9 (hyd)
13770-18-8 (anh)

PHYSICAL DATA

Very soluble in water and many organic solvents; pH (5% in water) 4-7; Deliquescent.

APPEARANCE & ODOR

Blue, damp crystals. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable. Oxidizing. Avoid contact with organic matter, solvents, paper and wood. No hazardous self-reactivity. Will dissolve in water absorbed from moist air.

FIRE HAZARDS

May cause fire or explosion when heated with organic matter. Firefighters wear SCBA.
NFPA #1-0-1.

EXTINGUISHER

Water Spray.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

May be irritating to skin, eyes and internally. May be harmful if swallowed or inhaled. LD/TD no data found. OSHA PEL/ACGIH TLV TWA: 1 mg (Cu)/m³ as dust or mist. No evidence of carcinogenicity. The perchlorate ion has been shown to interfere with iodine uptake by the thyroid in test animals. Studies on workers in plants where perchlorate salts are manufactured have shown no thyroid abnormalities. Thyroid effects on humans continues to be studied.

SPECIAL PRECAUTIONS

Wear safety glasses and gloves while handling. Store away from flammable materials and strong acids. Store in well sealed containers protected from moisture.

FIRST AID

Wash up well with water. If eye irritation persists, get medical attention. If swallowed, give water with milk of magnesia and get medical attention. Do not induce vomiting unless directed by a physician.

SPILLS & LEAKS

Wash up with water. See local sewer regulations for allowable disposal rate. Larger amounts to hazardous waste site.

CATALOG #

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PREPARED BY

MDM

DATE

September 18, 2006