

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

265

CADMIUM PERCHLORATE, HEXAHYDRATE

CHEMICAL NAME & SYNONYMS

Cadmium Perchlorate, hexahydrate

DOT CLASS

6.1/III

SARA TITLE 313

Yes - Cd Cmpd.

TSCA listed - No

FORMULA

Cd(ClO₄)₂•6H₂O

REPORTABLE QUANTITY

N/A

F.W.

419.42

CAS#

10326-28-0 (hyd)
13760-37-7 (anh)

PHYSICAL DATA

Water soluble.

APPEARANCE & ODOR

White damp crystals. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable. Incompatible with organic matter, wood, paper, etc. especially organic solvents. Oxidizing when hot. Hygroscopic.

FIRE HAZARDS

May cause fire in contact with organic matter especially when hot. Decomposes to CdCl₂.

EXTINGUISHER

Water.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Irritating to skin and eyes. Harmful if swallowed or inhaled. LD₅₀ (oral-rat) 875 mg/kg. OSHA PEL TWA 0.005 mg (Cd)/m³ as dust; ACGIH TLV 0.01 mg (Cd)/m³. Cadmium compounds are considered likely carcinogens. Ingestion will cause violent vomiting. Chronic exposure may effect GI and renal systems. Warning: This product contains a chemical (cadmium compound) known to the state of California to cause cancer. 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. This product must only be used under conditions of prudent laboratory practice for research and development as described at 40 CFR 720.36.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling. Use good ventilation or suitable respirator if dust is raised. Store in well sealed container protected from moisture.

FIRST AID

Wash skin and eyes thoroughly with water after contact. For eyes, get medical attention. If swallowed, give water or milk to drink and get medical attention. Do not induce vomiting unless directed by a physician.

SPILLS & LEAKS

Take up spill in inorganic base absorbent (may use some water). Save for recovery or discard to hazardous waste only.

CATALOG #

265

PREPARED BY

MDM

DATE

September 26, 2006