



MATERIAL SAFETY DATA SHEET



CHROMATE INDUSTRIAL CORPORATION®

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FOR CHEMICAL EMERGENCY
Call Chemtrec day/night:
1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Oatey Medium Orange Lo-Voc CPVC Cement
(CPVC Cement – Orange)

DATE PREPARED: 2/29/00

RED LION PART NUMBER: 74552

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: Cements CHEMICAL FAMILY: N/A

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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	ACGIH TLV (TWA)	OSHA PEL	STEL	CAS #
Tetrahydrofuran	30 - 40	200 ppm, 590 mg/cu m	200 ppm, 590 mg/cu m	250 ppm, 735 mg/cu m	109-99-9
Cyclohexanone	5 - 15	25 ppm, 100 mg/cu m (skin)	50 ppm, 200 mg/cu m	N/A	108-94-1
Methyl Ethyl Ketone*	30 - 40	200 ppm, 590 mg/cu m	200 ppm, 590 mg/cu m	300 ppm, 885 mg/cu m	78-93-3
CPVC Resin	13 - 16	N/D	N/D	N/D	68648-82-8
Amorphous Silica	1 - 3	10 mg/cu m	20 mppcf	N/A	112945-52-5
Orange Colorant	<2	N/D	N/D	N/D	N/A

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, Skin, Eyes

EFFECTS OF OVEREXPOSURE:

INHALATION: May cause irritation of mucous membranes, nose and throat, headache, dizziness, nausea, numbness of the extremities and narcosis in high concentrations. Has caused CNS depression and liver damage in animals, and concentrations have caused retardation of fetal development in rats.

SKIN CONTACT: Chronic contact may lead to irritation and dermatitis.

Chronic exposure to vapors of high concentration may cause dermatitis. May possibly be absorbed through the skin.

EYE CONTACT: Vapors or direct contact may cause irritation.

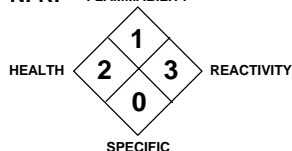
INGESTION: May be aspirated into the lungs or cause systemic effects described under inhalation.

TETRAHYDOFURAN WARNING: The National Toxicology Program has reported that exposure of mice and rats to Tetrahydrofuran (THF) vapor levels up to 1800 ppm 6 hr/day, 5 days/week for their lifetime caused an increased incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health are unclear at this time, and may be related to "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF. THF is not listed as a carcinogen by NTP, IARC, or OSHA. One THF vendor has recommended a reduction in the "acceptable exposure limit" from 200 ppm to 25 ppm, 8 and 12 hour time weighted average.

HAZARD RATINGS

NFR: FLAMMABILITY

HMIS: **2** HEALTH
1 FLAMMABILITY
3 REACTIVITY
B PROTECTION



4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician immediately.

INGESTION: Drink water and call a poison control center or physician immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person. Do not induce vomiting.

SKIN CONTACT: If irritation arises, wash thoroughly with soap and water. Seek medical attention if irritation persists.

EYE CONTACT: If fumes cause irritation, move to fresh air and irrigate eyes with water for 15 minutes. If irritation persists, seek medical help.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USE): 5 - 8°F / PMCC

FLAMMABLE LIMITS: LEL 1.8 UEL 11.8

EXTINGUISHING MEDIA: Dry chemical, CO₂, water or foam extinguisher

FIRE FIGHTING PROCEDURES: For small fires: use dry chemical, CO₂, water or foam extinguisher. For large fires: evacuate area and call fire department immediately.

UNUSUAL AND EXPLOSION HAZARDS: Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Ventilate area, stop leak if it can be done without risk. Take up with sand, earth or other non-combustible absorbing material.

7. HANDLING AND STORAGE

PRECAUTIONS: Keep away from heat, sparks and flames; store in cool, dry place. Containers, even empties, will retain residue and vapors.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE: Keep away from heat, sparks and flames; store in cool, dry place. Containers, even empties, will retain residue and vapors.

RESPIRATORY: NIOSH-approved canister respirator in absence of adequate ventilation.

SKIN PROTECTION: Rubber gloves. Safety shower should be available.

EYE PROTECTION: Safety glasses with side shields. Eye wash should be available.

VENTILATION: Local exhaust – open doors and windows. Exhaust ventilation capable of maintaining emissions at the point of use below PEL. If used in enclosed area, use exhaust fans. Exhaust fans should be explosion-proof or set up in a way that explosive concentrations of solvent vapors are not exposed to electrical fixtures or hot surfaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 151°F / 66°C

VAPOR PRESSURE: 145 mmHg @ 20°C

VAPOR DENSITY (AIR = 1): 2.5

SOLUBILITY IN WATER: Negligible

VOLATILE COMPONENTS: 70 - 80% weight

APPEARANCE AND ODOR: Orange liquid. Ether-like

PRODUCT WEIGHT: N/A

SPECIFIC GRAVITY (H₂O = 1): 0.95 +/- 0.02

MELTING POINT: N/A

pH: N/A

EVAPORATION RATE: (BUAC = 1) = 5.5 - 8.0

FORM: Liquid **WILL DISSOLVE IN:** Tetrahydrofuran

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks and open flame

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID): Acids, oxidizing materials, alkalis, chlorinated inorganics (potassium, calcium and sodium hypochlorite), copper or copper alloys.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide / carbon dioxide / hydrogen chloride / smoke

11. TOXICOLOGICAL INFORMATION

EYE: No data available.

SKIN: No data available.

INGESTION: No data available.

INHALATION: No data available.

SUBCHRONIC: No data available.

CHRONIC CARCINOGENICITY:

CARCINOGENICITY: NTP: Not Listed

IARC MONOGRAPH: Not Listed

OSHA REGULATED: Not Regulated

TERATOLOGY: No data available.

REPRODUCTION: No data available.

MUTAGENICITY: No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: No data available.

WASTE DISPOSAL METHOD: Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION

TRANSPORTATION REQUIREMENTS (49CFR172-101)

D.O.T. PROPER SHIPPING NAME: Consumer Commodity ORM-D; For Gallons: Adhesives, 3, UN1133, PGII

D.O.T. HAZARD CLASS: Class 3 Flammable Liquid

EPA HAZARDOUS WASTE ID NUMBER: D-001

SHIPPING ID NUMBER: UN 1133 (Gallons Only)

EPA HAZARD WASTE CLASS: Ignitable Waste/Toxic Waste

15. REGULATORY INFORMATION

EXPOSURE LIMITS: No data available.

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

N/D — NOT DETERMINED N/A — NOT APPLICABLE N/R — NOT REGULATED

Conforms to 29 CFR 1910.1200, OSHA

ANSI Z129.1 - 1988 American National Standard for Hazardous Industrial Chemicals