

ALCHROME® 2

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID: Heat.

INCOMPATIBLE MATERIALS: strong acids & alkali, cyanides, sulfides, oxidizable materials, combustibles, organics, heat.

DECOMPOSITION PRODUCTS: chromium oxides, oxides of nitrogen, cyanide gas under certain conditions- see sect. VII.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH DATA

ROUTES OF ENTRY: eye/skin contact, inhalation, ingestion.

HEALTH HAZARDS (ACUTE, CHRONIC): Contains CHROMIC ACID and Fluoride compound(s). Causes eye, skin and tissue burns and external ulcers. Causes respiratory tract irritation, nasal septum perforation. Harmful or fatal if swallowed, causes kidney & liver damage. May cause allergic skin reaction in some individuals. Contains HEXAVALENT CHROMIUM which is known to cause cancer. Chronic exposure to Fluoride-Ion has been reported to result in tooth mottling and bone fluorosis in humans. Contains STRONG OXIDIZER - contact with other material may cause fire.

CARCINOGENICITY: Hexavalent Chromium **NTP?:** Yes. **IARC?:** Yes. **OSHA?:** No.

SYMPTOMS OF EXPOSURE: eye, skin and respiratory tract irritation. eye, skin and tissue burns. kidney and liver damage, ulcers of the skin and nasal septum, skin sensitization. tooth mottling, fluorosis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: persons with skin, liver, kidney and respiratory disorders.

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. EYES: Hold eyelids apart and flush with running water for at least 15 minutes. Get medical attention. SKIN: Wash affected area with plenty of water. Remove contaminated clothing. If irritation or burns are present, get medical attention. INGESTION: If conscious, give plenty of water or milk, if available. Do not induce vomiting. Get immediate medical attention.

SECTION VII – PRECAUTIONS / PROCEDURES

IN CASE OF SPILL: Keep spilled material dry. Sweep up material into a chemical waste container. Wash spill area with water. Treat runoff for hexavalent chromium.

WASTE DISPOSAL METHOD: Reduce to trivalent chromium. Neutralize and dispose of in accordance with federal, state and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste.

PRECAUTIONS: Avoid contact with eyes, skin or clothing. Wear proper protective clothing when using this product. Wash thoroughly after handling. Do not breathe dust or mist from solutions. Use with adequate ventilation. Store in a cool, dry place away from combustibles. **Caution!** Concentrated slurries of this product may slowly decompose and release toxic cyanide gas. Always prepare and maintain the recommended concentration.

OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage.

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SECTION VIII – SPECIAL PROTECTION

VENTILATION:..... Maintain below PEL, TLV.
MECHANICAL EXHAUST recommended to maintain a well-ventilated area.
LOCAL EXHAUST recommended in the immediate area where dust is released.
RESPIRATORY PROTECTION: use NIOSH/OSHA approved respirator if dust, fumes or vapors are excessive.
PROTECTIVE GLOVES: rubber or other chemical resistant type.
EYE PROTECTION: Safety goggles, face shield.
OTHER PROTECTIVE EQUIPMENT ... apron, boots, full cover work clothes. eye wash and emergency shower.
WORK/HYGIENIC PRACTICES..... wash thoroughly after handling, launder clothes.

SECTION IX – REGULATORY INFORMATION

D.O.T. SHIPPING DESCRIPTION: See product container label for proper D.O.T. description.

SARA 311/312 HAZARDS: **Immediate (Acute)** True
 Chronic* True
 Fire True
 Sudden Release-of-Pressure..... False
 Reactive True

TSCA Status: All components within this product are listed on the TSCA Inventory.

* This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. Copying and redistribution of this MSDS must include this notification. Do not detach or separate this section from the above MSDS.

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313* TOXIC	% by Wt.
CHROMIC ACID	10	N.A.	YES	40-50
POTASSIUM FERRICYANIDE	N.A.	N.A.	YES	1-10
SODIUM NITRATE	N.A.	N.A.	(SOLUTION)	10-20

MSDS Change History:

4/2/07 Rev.04: Chromic Acid related information update (Sec. 1, 2, 6, 8, 9), new MSDS format.
 10/3/05 Rev.03: DOT Description update.

DISCLAIMER:

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