

# The Chromaline Corporation

## MATERIAL SAFETY DATA SHEET



(Approved by U.S. Department of Labor "Essentially Similar" to form OSHA-20)

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete, or representative and Buyer may rely thereon only at the Buyer's risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and/or situations involving its handling and uses. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

### Section I - Chemical Product and Company Identification

Manufacturer's Name  
The Chromaline Corporation  
Street Address  
4832 Grand Avenue  
City, State, and Zip Code  
Duluth, MN 55807  
For product information or customer service: 218/628-2217

<b>Hazardous Materials Identification System (HMIS)</b>	
Health	2
Flammability	1
Reactivity	0
Personal Protection	H & O

minimal	0
slight	1
moderate	2
serious	3
severe	4

For Chemical Emergencies contact:  
CHEMTREC Emergency Telephone No.  
United States - 800/424-9300  
International - 703/527-3887 (collect)

Product Class	Chemical Name (CAS #)	
Strongly alkaline paste cleanser	N/AP	
Trade Name	Formula	N/AP = Not Applicable
Chroma/Haze	N/AP	

### Section II - Hazardous Ingredients

Ingredient	PERCENT	TLV		LEL	VAPOR PRESSURE mm Hg. 20°C
		PPM	mg/M <sup>3</sup>		
Potassium Hydroxide (CAS# 1310-58-3)	19%	-----	2	----	1.0 at 719°C
Phosphate ester/phosphoric acid ester (No CAS #)	5.1%	-----			
Methanol (CAS# 67-56-1)	15%	200	260	6.7%	100mm at 21.2°C

### Section III - Physical Data

Boiling Range 190°F - 212°F (volatiles will be generated)      Vapor Density       Heavier       Lighter, Than air

Evaporation Rate       Faster       Slower, than Water      Percent Volatile  
by Weight 53%      Weight per  
Gallon 11.68 lb./gal.

Solubility in Water 100% dispersible

### Section IV - Fire and Explosion Hazard Data

Flash Point - N/AP  
Extinguishing Media - Water Spray, CO<sub>2</sub>

Unusual Fire and Explosion Hazards  
Caustic paste; therefore, take extreme caution. Steam can generate and rupture container, spreading caustic contents.

Special Fire Fighting Procedures  
Contents, if leakage occurs, may cause extremely slippery conditions when wetted with water spray.

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## Section V - Health Hazard Data

Threshold Limit Value 2mg/m<sup>3</sup>

Effects of Overexposure Potassium hydroxide is classified as a poison by the Federal Caustic Poison Act. Inhalation: Severe irritant, mild to severe damage may result. Ingestion: Toxic, severe burns of mouth, throat and stomach can occur and death could result. Lethal dose is 20 gm. Eye Contact: Corrosive. Severe burns and blindness may result.

Emergency and First Aid Procedures Skin Contact: Corrosive! Severe burns/scarring may result. Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Ingestion: Give several glasses of water or milk to dilute. Vomiting may occur, but DO NOT INDUCE. Skin: Flush immediately with water for 15 minutes while removing contaminated clothing. Get medical attention. Eye: Wash eyes for at least 15 minutes, lifting eyelids occasionally. Get medical attention.

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## Section VI - Reactivity Data

Stability  Unstable  Stable

Conditions to Avoid - Do not mix directly to acids or organic halogen compounds. Extremes of temperature.

Incompatibility (Materials to Avoid) - Aluminum, tin & zinc

Hazardous Decomposition Products - None

Hazardous Polymerization  May Occur  Will Not Occur

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## Section VII - Spill or Leak Procedures

Steps to Be Taken In Case Material Is Released Or Spilled

Clean-up personnel require protective clothing. Dilute with plenty of water and may be neutralized with diluted acetic acid. CAUTION: Floor and other surfaces may be slippery.

Waste Disposal Method

Waste may be sent in sealed caustic-resistant containers as hazardous waste to a RCRA approved facility. Neutralized waste may be disposed of in compliance with local, state, and federal regulations.

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state, or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

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## Section VIII - Special Protection Information

Respiratory Protection - NIOSH approved recommended.

Ventilation A local exhaust system is recommended.

Protective Gloves Required - Natural rubber or neoprene gloves.

Eye Protection Required - Full face shield.

Other Protective Equipment For operations where contact can occur, use a face shield, impervious body covering, and boots. Apron and smock must be chemically resistant to caustic solutions. A safety shower and eye wash facility should be available.

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## Section IX - Special Precautions

Precautions To Be Taken In Handling And Storing

Keep container sealed tightly when not directly using. Store in a cool, dry area. Isolate from aluminum, tin, or zinc materials.

Other Precautions – Do not take internally. Avoid splashing in eyes. Keep out of reach of children. Industrial Use Only.

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## Section X - Regulatory Information

DOT Category - Corrosive solids, Basic, Inorganic, N.O.S. (Potassium Hydroxide), UN 3262, PG II

TSCA All ingredients are listed chemicals in the TSCA registry.