

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

Hazardous Materials Identification System (HMIS)	
Health	1
Flammability	0
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 #)
Water Based Emulsion	N/AP
Trade Name	Formula
SPIKE UDC420D	N/AP

N/AP = Not Applicable

Section II - Hazardous Ingredients

Ingredient	PPM	mg/M ³	TLV		VAPOR PRESSURE mm Hg. 20 °C
			LEL		
Acrylate Oligomers	Not	Established	-----	-----	-----
Acrylate Monomers	Not	Established	-----	-----	-----
Photoinitiators	Not	Established	-----	-----	-----

Section III - Physical Data

Boiling Range	100°C (212°F)	Vapor Density	Not Established
Evaporation Rate	Not Established	Percent Volatile by Weight	61-68%
Solubility in Water	Miscible	Weight per Gallon	8.82lb/gal.

Section IV - Fire and Explosion Hazard Data

Flash Point - Greater than 200°F

Extinguishing Media - "Class B" Fire extinguisher

Unusual fire and explosion Hazards
Under high heat, decomposition may present a hazard.

Special Fire Fighting Procedures
For full protection, fire fighters are recommended to wear NIOSH-MSHA approved self-contained breathing apparatus and chemical resistant clothing.

Section V - Health Hazard Data

Threshold Limit Value Not Established

Effects of Overexposure

Ingestion: No specific information available

Inhalation: No specific information available. Low volatility makes vapor inhalation unlikely.

Skin contact: may cause severe skin injury (reddening and swelling) and /or sensitization / allergic reaction. Prolonged contact may cause blister formation (burns).

Eye contact: No specific information available. May cause eye injury.

Emergency and First Aid Procedures - **Skin**: Remove contaminated clothing and wash exposed area with water and soap for at least 15 min. If there is any persisting irritation, seek medical attention. **Eyes**: Flush eyes with plenty of water. If irritation persists, consult a physician. **Ingestion**: If appreciable quantities are swallowed, seek medical attention.

Inhalation: Remove to fresh air.

Section VI - Reactivity Data

Stability Unstable Stable

Conditions to Avoid: Strong light and high heat

Incompatibility (Materials to Avoid) None

Hazardous Decomposition Products Carbon Monoxide & Carbon Dioxide

Hazardous Polymerization May Occur Will Not Occur

Section VII - Spill or Leak Procedures

Steps to Be Taken In Case Material Is Released Or Spilled

Contain spills with absorbent material and dispose of saturated absorbent.

Waste Disposal Method

Use proper eye and skin protection. Place leaking container in a well ventilated area. Dilute the spill with water and absorb the spill with inert material and dispose in accordance with federal, state, and local laws.

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.

Section VIII - Special Protection Information

Respiratory Protection - Do not breathe vapors or mists. Wear O.S.H.A. (29 CFR 1910.134) protection as necessary.

Ventilation - Local exhaust recommended, but not required. Provide adequate ventilation as necessary.

Protective Gloves Rubber or neoprene gloves are required.

Eye Protection Personal eye protection is required.

Other Protective Equipment - For operations where contact can occur, use a face shield, impervious body covering, and boots. A safety shower and eye wash facility should be available.

Section IX - Special Precautions

Precautions To Be Taken In Handling And Storing Store away from extreme heat and do not freeze.

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

Section X - Regulatory Information

DOT Category Not regulated.

California Proposition 65: The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains chemical(s) known to the state of California to cause cancer (c) or reproductive (r) damage.

<0.0002%	Methyl Iodine (c)	74-88-4	listed April 1, 1988
<0.0016%	Acetaldehyde (c)	75-07-0	listed April 1, 1988
<0.0076%	Formaldehyde (c)	50-00-0	listed January 1, 1988
<0.0002%	Toluene (c)	108-88-3	listed January 1, 1991
<0.004%	Ethylene oxide (c)	75-21-8	listed July, 1987
<0.004%	Hydrazine (c)	302-01-2	listed January 1, 1988
<0.004%	1,4 Dioxane (c)	123-91-1	listed January 1, 1988