

OSHA-Required Health And Safety Information!

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Section 1

MATERIAL SAFETY DATA SHEET # 6
Hercules Jel Flux



MATERIAL SAFETY INFORMATION SERVICE

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Date Prepared: 2/21/1990 Last Reviewed: 1/25/2010

Meets OSHA 29 CFR 1910.1200

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s), CAS Numbers)	OSHA PEL	ACGIH TLV	Other Limits	Upper Bound Limit if SARA Reportable
Zinc Chloride (7646-85-7)	1.0mg/M ³	1.0mg/M ³ (fumes)	N/A	26%
Ammonium Chloride (12125-02-9)	N/A	1.0mg/M ³ (fumes)	N/A	- -

HMIS Hazard Rating: Health: 2 Flammability: 0 Reactivity: 1 Personal Protection: C

Section 3 - Physical/Chemical Characteristics

Boiling Point (°F):	Specific Gravity (H ₂ O = 1):	Vapor Density (Air = 1):	Vapor Pressure (mm Hg):
212	1.25	>1	At 100° C 76
Melting Point (° F):	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	VOC Level (g/l):
N/A	<1	100% miscible in water	0
Appearance And Color:	Greenish yellow color	Odor:	None

Section 4 - Fire And Explosion Hazard Data

Flash Point:	Flammable Limits:	LEL:	UEL:
None	N/A		

Extinguishing Media: As appropriate for surrounding fire.

Special Firefighting Procedures:
 None

Unusual Fire And Explosion Hazards:
 None

Continued on Next Page

Section 5 - Reactivity Data

Stability: Stable **Conditions To Avoid:** Avoid contact with concentrated alkalis.
Incompatibility (Materials To Avoid): Zinc chloride is incompatible with cyanides (may release toxic HCN gas) & sulfide salts (may release toxic H₂S gas)
Hazardous Decomposition: Will not occur except at high temperatures

Hazardous Polymerization: Will not occur

Section 6 - Health Hazard Data

Routes of Entry: Inhalation N/A **Skin** YES/Primary **Ingestion** YES/Primary

Health Hazards:
 Individuals with pre-existing diseases of lungs may have increased susceptibility to the toxicity of excessive exposures to zinc chloride.

Carcinogenicity: NTP NO IARC NO OSHA Regulated NO

Signs And Symptoms of Exposure:
 INGESTION: Severe damage to internal organs (esophagus & pylorus) will occur if swallowed in large quantities.
 SKIN CONTACT: Prolonged contact causes burns, skin irritation with discomfort and rash. EYE CONTACT: Will cause eye irritation with discomfort, tearing or blurring of vision.

Medical Conditions Generally Aggravated By Exposure:

Emergency And First Aid Procedures:
 INGESTION: Do not induce vomiting. If conscious, dilute by giving large quantities of water or milk. Call a physician immediately. SKIN CONTACT: Wash affected skin area with soapy water. Remove contaminated clothing. If burn or rash appears consult a physician. EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Consult a physician.

Continued on Next Page

Section 7 - Precautions For Safe Handling And Use:

Steps To Be Taken In Case Material Is Released Or Spilled:

Flush with large quantities of water and pick up with absorbing materials.

Waste Disposal Method:

Landfill, to dispose of large quantities, comply with federal, state and local regulations.

Precautions To Be Taken In Handling And Storing:

If handling in large quantities, wear rubber gloves & goggles.

Other Precautions:

None

Section 8 - Control Measures:

Respiratory Protection:

In confined spaces or other circumstances where adequate ventilation cannot be assured use NIOSH-approved respirator, positive pressure airline mask, or self contained breathing apparatus.

Ventilation:	Local Exhaust N/A	Special N/A
	Mechanical Exhaust fan	

Gloves:	Rubber gloves	Other: N/A
Eye Protection:	Safety goggles	

Other Protective Clothing: Gloves while handling the material.

Work/Hygienic Practices: Wash thoroughly after handling.



For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.