

 Hercules Plumbing Chemicals

MATERIAL SAFETY DATA SHEETS (MSDS) On-Line OSHA-Required Health And Safety Information!

Section 1

MATERIAL SAFETY DATA SHEET # 5

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Hercules Score Paste Flux

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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 Limits if SARA Reportable	
Hydrazine Monohydrochloride (2644-70-4)	N/A	0.1ppm	N/A	--

HMIS Hazard Rating: Health: 2 Flammability: 0 Reactivity: 0 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		0.95	>1	N/D

Melting Point (°F):

**Evaporation Rate
(Butyl Acetate=1):**

Solubility in Water:

120 to 140

<1

Not soluble but emulsifiable with warm water

Appearance And Color:Light Yellow**Odor:** None

Section 4 - Fire And Explosion Hazard Data

Flash Point:**Flammable Limits:**

N/A

LEL:**UEL:**

N/A

Extinguishing Media: Water and carbon dioxide**Special Firefighting Procedures:**

After the water is boiled off, the material is combustible. Fire fighters should wear full protective clothing, including self-contained breathing apparatus.

Unusual Fire And Explosion Hazards:

None

Section 5 - Reactivity Data

Stability: Stable**Conditions To Avoid:** None**Incompatibility**

None

(Materials To Avoid):**Hazardous Decomposition:**

Over long period can give off dangerous hydrazine vapors

Hazardous Polymerization:

None in ordinary use

Section 6 - Health Hazard Data

Routes of Entry:**Inhalation?** Yes/Secondary**Skin?** Yes/Primary**Ingestion?** Yes/Secondary**Health Hazards:**

Direct skin contact will cause local irritation effects. Eye contact could result in permanent damage. Hydrazine and its salts, if absorbed through the skin, can cause systemic injury if exposure is extensive. Carcinogenicity: The National Toxicology Program (NTP) has included hydrazine and its salts in their list of

Carcinogenicity:

NTP? NO

IARC? NO

OSHA Regulated? NO

Signs And Symptoms of Exposure:

Repeated contact can cause dermatitis, eye irritation and injury.

Medical Conditions Generally Aggravated By Exposure:

None known at the present time.

Emergency And First Aid Procedures:

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Contact a physician preferably an eye specialist immediately. **SKIN CONTACT:** Wash skin with plenty of soap and water. **INHALATION:** Remove to fresh air. Administer oxygen if breathing is difficult. Consult a physician immediately. **INGESTION:** Contact a physician immediately. If person is conscious, give large amount of milk, egg white or water and induce vomiting.

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 sweep up with absorbent material.

Waste Disposal Method:

Landfill, to dispose of large quantities, may have to conform to federal, state and local regulations.

Precautions To Be Taken In Handling And Storing:

Store below 150 °F to avoid decomposition of the product.

Other Precautions:

None

Section 8 - Control Measures:

Respiratory Protection:

None required for normal use. If hydrazine vapors are detected, ammonia type cannister or oxygen supplied face mask should be used.

Ventilation:**Local Exhaust:**

N/A

Special:

N/A

Mechanical:

Acceptable

Other:

N/A

Gloves:

Rubber gloves

Eye Protection:

Safety goggles, if splatter hazard exists.

Other Protective Clothing:

None required for ordinary use.

Work/Hygienic Practices:

Wash thoroughly after handling.

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