



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

Section 1

MATERIAL SAFETY DATA SHEET # 17

Hercules Sizzle®

Date Prepared: 31-Jan-90

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Meets OSHA 29 CFR 1910.1200

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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

This product is not for consumer use or sale. For professional use only. Replace cap after use.

Hydrochloric Acid (7647-01-0)	5ppm	5ppm	N/A	31
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HMIS Hazard Rating: Health: 3 Flammability: 0 Reactivity: 2 Personal Protection: H

Section 3 - Physical/Chemical Characteristics

Boiling Point (°F):	Specific Gravity (H ₂ O=1):	Vapor Density (Air=1):	Vapor Pressure (mm Hg):
181	1.14 to 1.16	1.27	35
Melting Point (°F):	Evaporation Rate (Butyl Acetate=1):	Solubility in Water:	
N/A	1	Complete	
Appearance And Color: Light yellow liquid		Odor: Pungent, acid odor	

Section 4 - Fire And Explosion Hazard Data

Flash Point:	Flammable Limits:	LEL:	UEL:
Not flammable	N/A		

Extinguishing Media: For fires in the area use water, foam, dry chemical or CO2.

Special Firefighting Procedures:

Neutralize with chemically alkaline substances, such as soda ash or slaked lime. Cool the containers with water if exposed to fire. Wear full protective clothing.

Unusual Fire And Explosion Hazards:

Contact with common metals may produce flammable, potentially explosive hydrogen gas.

Section 5 - Reactivity Data

Stability: Stable

Conditions To Avoid: Do not store near or mix with strong alkalies such as Sodium or Potassium Hydroxide.

**Incompatibility
(Materials To Avoid):**

Corrosive to most metals with evolution of hydrogen gas. May react with cyanides, sulfides or formaldehyde releasing toxic gases.

**Hazardous
Decomposition:**

Hydrogen Chloride gas and Hydrogen

**Hazardous
Polymerization:**

Will Not Occur

Section 6 - Health Hazard Data

Routes of Entry:

Inhalation? YES/Primary

Skin? Yes/Primary

Ingestion? Yes/Secondary

Health Hazards:

Excessive contact can cause eye and skin burns. Ingestion causes severe burns to mouth, esophagus and stomach. Vapor extremely irritating.

Carcinogenicity:

NTP? NO

IARC? NO

OSHA Regulated? NO

Signs And Symptoms of Exposure:

Irritation of eyes and skin. Inhalation of fumes may result in coughing and choking sensation.

Medical Conditions Generally Aggravated By Exposure:

INGESTION: Severe damage to internal organs (esophagus & pylorus) will occur if swallowed in large quantities. INHALATION: Fumes from product can cause injury to respiratory tract. Severe exposure can cause lung damage. SKIN CONTACT: Prolonged contact causes burns, skin irritation with discomfort and rash. EYE CONTACT: Will cause eye burn and irritation with discomfort, tearing or blurring of vision.

Emergency And First Aid Procedures:

INGESTION: Do not induce vomiting. If conscious, dilute by giving large quantities of water or milk. Do not give carbonates. Call a physician immediately. INHALATION: If excess fumes from the product are inhaled remove to fresh air. If not breathing give artificial respiration preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician. SKIN CONTACT: Wash affected skin area with soapy water. Remove contaminated clothing. If burn/rash appears consult a physician immediately. EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Consult a physician immediately.

Section 7 - Precautions For Safe Handling And Use:

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

Evacuate area; keep upwind until gas has dispersed. If necessary to enter spill area, wear self-contained

breathing apparatus & full protective clothing including boots. Dike large spills, dilute and neutralize washing with lime or soda ash. Comply with federal, state & local regulations.

Waste Disposal Method:

Flush thoroughly with water applied to entire spill. Large spill: Washing should be neutralized with lime/soda ash before discharging to sewer.

Precautions To Be Taken In Handling And Storing:

Keep container tightly closed, store container out of sun and away from heat, sparks & flame. Keep in cool place. Do not mix cyanides, sulfides or formaldehydes. Protect containers from damage. Never use pressure to empty containers.

Other Precautions:

Section 8 - Control Measures:

Respiratory Protection:	Self contained breathing apparatus or mask with canister for HCl fumes.		
Ventilation:	Local Exhaust:	Maintain adequate ventilation.	Special: N/A
	Mechanical:	N/A	Other: N/A
Gloves:	Long rubber or plastic gloves.		
Eye Protection:	Chemical safety goggles and face shield.		
Other Protective Clothing:	Rubber apron, rubber boots, long sleeve shirts.		
Work/Hygienic Practices:	Wash after use. Wash contacted clothing before re-use.		

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