

OSHA-Required Health And Safety Information!

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

Section 1

MATERIAL SAFETY DATA SHEET # 101 *Hercules Citrus Foaming Degreaser*



MATERIAL SAFETY INFORMATION SERVICE

Hercules Chemical Company Inc.
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 Phone (800) 221-9330
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Date Prepared: 7/15/1999 Last Reviewed: 12/24/2001

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
Isobutane (CAS 75-28-5)	NE	NE	800 PPM (Aer)	<5
Propane (CAS 74-98-6)	1000 PPM	NE	1000 PPM (NI)	<5

HMIS Hazard Rating: Health: 1 Flammability:3 Reactivity: 0 Personal Protection: G

Section 3 - Physical/Chemical Characteristics

Boiling Point (°C):	Specific Gravity (H2O = 1):	Vapor Density (Air = 1):	Vapor Pressure (mm Hg):
212° F (Conc)	0.908	> 1	35 PSIG at 70° F
Melting Point (° F)	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	
N/A	< 1	Complete	
Appearance And Color:	White Emulsion Liquid	Odor:	Fresh Orange

Section 4 - Fire And Explosion Hazard Data

Flash Point:	Flammable Limits:	LEL:	UEL:
-117° F (TOC)		0.1%	6.1%

Extinguishing Media: Water, Water Fog, Dry Chemical, CO2.

Special Firefighting Procedures:

Self-contained respiratory protection should be provided for firemen fighting fires in building or confined areas.

Unusual Fire And Explosion Hazards:

Aerosols are under pressure. Exposure to temperatures in excess of 120° F may cause bursting of cans.

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Section 5 - Reactivity Data

Stability: Stable **Conditions To Avoid:** High temperatures over 120° F.

Incompatibility (Materials To Avoid): Strong oxidizing agents and alkalines.

Hazardous Decomposition: Burns to form CO₂, CO and possible other decomposition products.

Hazardous Polymerization: Will Not Occur

Section 6 - Health Hazard Data

Routes of Entry: Inhalation Yes Skin Yes Ingestion Yes

Health Hazards:

Can cause irritation to eyes upon direct contact. Repeated direct contact may cause mild skin irritation and sensitization.

Carcinogenicity: NTP NO IARC NO OSHA Regulated NO

Signs And Symptoms of Exposure:

Can cause redness, tearing upon direct contact with eyes. Direct contact with skin may cause defatting, redness and itching. Overexposure may cause dizziness, fatigue and nausea.

Medical Conditions Generally Aggravated By Exposure:

None known.

Emergency And First Aid Procedures:

INGESTION: DO NOT INDUCE VOMITING. Seek medical attention immediately. **EYES:** Flush eyes with running water for 15 minutes. If irritation persists, seek medical attention immediately. **SKIN:** Wash with soap and water after handling. **INHALATION:** In case of prolonged inhalation, remove to fresh air and seek medical attention immediately.

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Section 7 - Precautions For Safe Handling And Use:**Steps To Be Taken In Case Material Is Released Or Spilled:**

Avoid inhalation of concentrated vapors. Absorb spilled material with appropriate absorbent.

Waste Disposal Method:

Dispose of all wastes in accordance with Federal, State, and local regulations.

Precautions To Be Taken In Handling And Storing:

Keep away from heat, sparks, open flame or prolonged storage at high temperatures. Do not puncture or incinerate container.

Other Precautions:

Intentional misuse by deliberate inhalation of concentrated vapor contents can be harmful or fatal.

Section 8 - Control Measures:**Respiratory Protection:**

None required under normal use.

Ventilation: Local Exhaust Sufficient
Mechanical None

Special None

Gloves: Rubber Gloves

Other: N/A

Eye Protection: Safety glasses or goggles or face shield.

Other Protective Clothing: Rubber apron.

Work/Hygienic Practices Wash thoroughly with soap and water after handling.



FACTS
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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.