

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 # 88

Hercules Power Flow™

Date Prepared: 4/21/1995 Last Reviewed: 6/14/2006

Meets OSHA 29 CFR 1910.1200



**MATERIAL
SAFETY
INFORMATION
SERVICE**

Hercules Chemical Company Inc.
111 South Street
Passaic NJ 07055
Phone (800) 221-9330
Fax (800) 333-3456

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
Mineral Spirits (8052-41-3)	100 PPM	100 PPM	N/A	
1-Butoxyethanol (111-76-2)	25 PPM	20 PPM Skin		

HMIS Hazard Rating: Health: 2 Flammability: 2 Reactivity: 0 Personal Protection: G

Section 3 - Physical/Chemical Characteristics

Boiling Point (°F):	Specific Gravity	Vapor Density	Vapor Pressure
317-388° F	0.8	4.8	at 100° F 0.1
Melting Point (° F)	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	
N/A	0.1	Negligible, but emulsifies in water	
Appearance And Color:	Light Brown Color	Odor:	Hydrocarbon Odor

Section 4 - Fire And Explosion Hazard Data

Flash Point	Flammable Limit	LEL:	UEL:
106° F to 112° F		1.0%	6.0%

Extinguishing Media: Use water spray or fog, foam, dry chemical or CO2. Do not use a direct water stream. Avoid accumulation of water as product floats.

Special Firefighting Procedures:

Do not enter confined fire space without proper protective equipment including a NIOSH approved SCBA (Self-Contained Breathing Apparatus). Cool fire exposed containers surrounding equipment and structures with water.

Unusual Fire And Explosion Hazards:

Combustible liquid. Do not mix or store with strong oxidants like chlorine or concentrated oxygen.

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Section 5 - Reactivity Data**Stability:** Stable**Conditions To Avoid:** Avoid heat, open flames**Incompatibility** Strong oxidizing materials.**(Materials To Avoid):****Hazardous Decomposition:** CO, CO₂ and unidentified organics may be formed during combustion.**Hazardous Polymerization:** Will Not Occur**Section 6 - Health Hazard Data**

Routes of Entr	Inhalation	Yes/Primary	Skin	Yes/Primary	Ingestion	Yes/Secondary
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Health Hazard

Inhalation of high vapor concentration can cause dizziness and headaches. Prolonged skin contact can lead to dry and irritated skin, possibly causing dermatitis.

Carcinogenicit	NTP	NO	IARC	NO	OSHA Regulated	NO
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Signs And Symptoms of Exposure:

Prolonged exposure to vapors can lead to headaches, dizziness, nausea and even loss of consciousness.

Medical Conditions Generally Aggravated By Exposure:

None known.

Emergency And First Aid Procedures:

EYE CONTACT: Flush with water. If persistent irritation occurs, get medical attention. **SKIN CONTACT:** Wash with soap and water. Remove contaminated clothing and do not reuse until laundered. If persistent irritation occurs, get medical attention. **INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. **INGESTION:** DO NOT INDUCE VOMITING even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

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

Eliminate all sources of ignition. Soak up with non-combustible absorbent material like clay or vermiculite. Place in drums for proper disposal.

Waste Disposal Method:

Dispose in accordance with Federal, State, and local regulations. Incinerate in approved facility. Do not incinerate in closed containers.

Precautions To Be Taken In Handling And Storing:

Store away from oxidizing materials in cool, dry place with adequate ventilation.

Other Precautions:

Keep away from heat and open flames. Keep containers tightly sealed.

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

Use supplied air respiratory protection in confined or enclosed space.

Ventilation: Local Exhaust Preferable
Mechanical Acceptable

Special N/A

Other N/A

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Gloves Use chemical resistant gloves to avoid repeated or prolonged contact.

Eye Protection: Safety goggles.

Other Protective

Clothing: None

Work/Hygienic Practice Use good personal hygiene practices. Wash thoroughly 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.