

# 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 # 208**



**MATERIAL  
SAFETY  
INFORMATION  
SERVICE**

**Date Prepared:** 11/17/1999 **Last Reviewed:** 1/28/2008

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 Limit if SARA Reportable
Biochemical Terpene Microemulsion				
Dipentene terpene mixture (CAS 68956-56-9)	N/A	N/A		N/A
Nonionic Surfactant (NJTSR 12810000000-1001p)	N/A	N/A		N/A
Alkanolamide (NJTSR 12810000000-1002p)	N/A	N/A		
Triethanolaminedodecylbenzenesulfonate (CAS 27323-41-7)	N/A	N/A		

**HMIS Hazard Rating:** Health: 1 Flammability: 2 Reactivity: 1 Personal Protection: G

## Section 3 - Physical/Chemical Characteristics

<b>Boiling Point (°F):</b>	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	<b>Vapor Density (Air = 1):</b>	<b>Vapor Pressure (mm Hg):</b>
220° F	0.95	>Air	Not determined
<b>Melting Point (° F):</b>	<b>Evaporation Rate: (Butyl Acetate = 1)</b>	<b>Solubility in Water:</b>	
6 ° F.	Not determined	Completely	
<b>Appearance And Color:</b>	Transparent light straw, amber with age.		<b>Odor:</b> Sweet pine.

## Section 4 - Fire And Explosion Hazard Data

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
130° F Tag. Closed Cup	Not determined	N/A	N/A

**Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide or any Class B extinguishing agent.

### Special Firefighting Procedures:

Fire fighters exposed to vapors should wear NOISH/OSHA approved, SCBA. Use a water spray to cool containers of product to avoid pressure build-up.

### Unusual Fire And Explosion Hazards:

None

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**Section 5 - Reactivity Data**

**Stability:** Stable      **Conditions To Avoid:** Avoid product contact with open flames, sparks, welding arcs and high heat.

**Incompatibility (Materials To Avoid):** Strong oxidizing agents and strongly acidic chemicals.

**Hazardous Decomposition:** None under normal conditions. Carbon monoxide, ammoniacal vapors, nitrogen oxides and/or sulfur oxides may form under conditions of incomplete combustion.

**Hazardous Polymerization:** May occur in mixtures containing strong acids and anhydrous aluminum chloride.

**Section 6 - Health Hazard Data**

**Routes of Entry:**    **Inhalation**    Yes                      **Skin**    Yes                      **Ingestion**    Yes

**Health Hazards:**

Inhalation of dense vapors or mist may cause respiratory irritation, dizziness or nausea. EYES: Moderate to severe eye irritant. May cause eye damage with prolonged contact. SKIN: Moderate irritant to skin. Prolonged contact will cause defatting and dryness. Ingestion may cause irritation. May be harmful if several ounces are consumed.

**Carcinogenicity:**    **NTP**    NO            **IARC**    NO            **OSHA Regulated**    NO

**Signs And Symptoms of Exposure:**

Primarily irritation of any tissue with prolonged or repeated contact. See Health Hazards section.

**Medical Conditions Generally Aggravated By Exposure:**

None known

**Emergency And First Aid Procedures:**

EYES: Immediately flush with a gentle stream of water for 15 minutes holding eyelids open to ensure adequate irrigaton. Get prompt medical attention if irritation persists. SKIN: Wash with soap and water. Launder clothing before reuse. Get medical attention if irritation develops or persists. INHALED: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention. Ingested: Rinse out mouth with water. Do NOT induce vomiting. Give large amounts of water to dilute. See a physician immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON. NOTE TO PHYSICIANS: Remove from stomach by gastric lavage. Aspiration may cause chemical pneumonia.

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

CAUTION: Do not use combustible or flammable absorbents for spill removal. Large Spills: Provide maximum ventilation and eliminate all sources of ignition. Only personnel equipped with NIOSH/OSHA approved SCBA should be permitted in the area. Dike area and pump spilled material into metal containers for disposal or reclaiming. Use noncombustible absorbents such as clay, sand or vermiculite. Place in metal containers for disposal. Use water on spill residue and wet vacuum or flush to waste water drain. Notify health and pollution control authorities promptly. Small Spills (1 gallon): Provide ventilation. Wear and use appropriate protective equipment. Recover with non combustible absorbent as above. Discard as sanitary waste. Water rinse residue to drain or mop up diluted product.

**Waste Disposal Method:**

This product and its mixing with absorbents may become ignitable waste. Discard product and/or containers in accordance with Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act (RCRA), as well as any other relevant Federal, State or local laws/regulations regarding disposal.

**Precautions To Be Taken In Handling And Storing:**

Storage: Store in original container away from open flames, other sources of ignition and high heat. Keep container closed when not in use. Avoid contact with food. KEEP OUT OF REACH OF CHILDREN. Handling: Do NOT get in eyes. Do NOT wear contact lenses. Wash after handling. Avoid breathing of concentrated mist or vapor. Do not take internally. Avoid contact with strong oxidizing agents.

**Other Precautions:**

None

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

Ventilation: Local Exhaust None  
Mechanical

Special  
Other: N/A

Gloves: Solvent impervious gloves with repeated or continuous exposure.

Eye Protection: Splash goggles and/or immediate source of clean water for eye flushing.

**Other Protective****Clothing:**

Work/Hygienic Practices Avoid breathing of concentrated vapors or mist. Avoid prolonged exposure to skin.



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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.