

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 # 38
Jet Spray Soot & Creosote Destroyer



MATERIAL SAFETY INFORMATION SERVICE

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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 Limit if SARA Reportable
Manganese Compound (# Proprietary 66)	5 mg/M ³	5 mg/M ³ (mist)	N/A	18%
Mineral Oil (8042-47-5)	5 mg/M ³	5 mg/M ³ (oil mist)	N/A	.68
1,1,1, Trichloroethane (71-55-6)	350 PPM	350 PPM	N/A	
Carbon Dioxide (124-38-9)	5000 PPM	5000 PPM	N/A	

HMIS Hazard Rating: Health: 2 Flammability:1 Reactivity: 0 Personal Protection: G

Section 3 - Physical/Chemical Characteristics

Boiling Point (°F):	Specific Gravity (H₂O = 1):	Vapor Density (Air = 1):	Vapor Pressure (mm Hg):
199°F	1.2	>1	100 PSIG
Melting Point (° F):	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	
N/A		Negligible	
Appearance And Color:	Dark Liquid	Odor:	Aromatic Odor

Section 4 - Fire And Explosion Hazard Data

Flash Point:	Flammable Limits:	LEL:	UEL:
Aerosol		1%	7%

Extinguishing Media: Carbon Dioxide, foam, dry chemical

Special Firefighting Procedures:

SCBA (Self Contained Breathing Apparatus) should be provided for firemen fighting fire in buildings or confined areas.

Unusual Fire And Explosion Hazards:

Container may burst if exposed to temperatures above 120° F. Keep away from heated surfaces, open flames or sparks. Cold water spray is useful to reduce vapor pressure in container.

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Section 5 - Reactivity Data

Stability: Stable **Conditions To Avoid:** Welding arc. Do not puncture or incinerate.

Incompatibility (Materials To Avoid): Strong oxidizers and excessive heat.

Hazardous Decomposition: Incomplete combustion can produce carbon monoxide, carbon dioxide and hydrochloric acid.

Hazardous Polymerization: None

Section 6 - Health Hazard Data

Routes of Entry: **Inhalation** YES/Primary **Skin** YES/Primary **Ingestion** YES/Secondary

Health Hazards:

May cause nasal or respiratory irritation, headache, and nausea

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

Signs And Symptoms of Exposure:

INHALATION: Inhalation of concentrated vapors may cause headache, incoordination, and anesthetic/narcotic effects. For 1,1,1-trichloroethane, as low as 10,000 PPM can cause unconsciousness. The LD50 for rats is 14,250 ppm/7 h. **SKIN:** Over-exposure to the vapor may cause irritation. Contact with skin can cause irritation/sensitization, and drying or flaking of skin. Prolonged contact may cause a burning sensation, and may result in dermatitis or narcosis. **EYES:** Contact with eyes can cause pain, may cause slightly transient (temporary) irritation. **INGESTION:** (Swallowing) unlikely route of exposure. Ingestion may cause gastrointestinal irritation, vomiting and depression. Manganese compounds may cause lung and cumulative central nervous system damage. LD50 for rats is 6,000 mg/kg for 1,1,1-trichloroethane.

Medical Conditions Generally Aggravated By Exposure:

Central nervous disorders and respiratory disorders.

Emergency And First Aid Procedures:

EYES: Irrigate immediately with water for at least 15 minutes. If irritation or redness develops, seek immediate medical attention. **SKIN:** Immediately wash contacted area with large amount of water. Call a physician if irritation persists. **INGESTION:** Call a physician or transport to emergency facility immediately. The decision to induce vomiting or not should be made by an attending physician. No specific antidote. Treatment is based on the judgment of the physician in response to reactions of the patient. **INHALATION:** Immediately remove to fresh air and give artificial respiration or oxygen if needed. If victim is not breathing, artificial respiration should be administered by qualified personnel. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate 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:**

Avoid inhalation of concentrated vapors. Soak up spilled material in an appropriate absorbent. Large releases will occur only upon explosion of numerous cans. Since products are aerosols, large spills are not expected.

Waste Disposal Method:

In accordance with local, county, state & federal regulations. Do not puncture or incinerate container.

Precautions To Be Taken In Handling And Storing:

Store in cool dry place, away from heat and open flames. Do not store above 120° F. Do not puncture or incinerate container.

Other Precautions:

Avoid contact with skin and eyes. Avoid breathing vapors. Keep out of reach of children.

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

In confined spaces or other circumstances where adequate ventilation cannot be assured use NIOSH- approved respirator, positive pressure airline mask, or SCBA (Self Contained Breathing Apparatus)

Ventilation: Local Exhaust Yes
Mechanical N/A

Special Above TLV, wear respirator
Other: N/A

Gloves: Polyethylene or polyflorinated vitron

Eye Protection: Chemical resistant goggles

Other Protective Clothing: N/A

Work/Hygienic Practices: Standard hygienic practices



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AST!

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.