

**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 # 115**  
**ROOT FORCE Foaming Root Destroyer****Date Prepared:** 10/4/2004      **Last Reviewed:** 8/1/2005

Meets OSHA 29 CFR 1910.1200

**MATERIAL  
SAFETY  
INFORMATION  
SERVICE**

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

E.P.A. Reg. No. 7687-3

**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
2, 6-Dichlorobenzonitrile (Dichlobenil) CAS# 1194-65-6	NA	NA	NA	NA

**HMIS Hazard Rating:** Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: E**Section 3 - Physical/Chemical Characteristics**

<b>Boiling Point (°F):</b>	<b>Specific Gravity (H2O = 1):</b>	<b>Vapor Density (Air = 1):</b>	<b>Vapor Pressur (mm Hg):</b>
518 (Dichlobenil)	0.6	NA	NA
<b>Melting Point (° F)</b>	<b>Evaporation Rate: (Butyl Acetate = 1)</b>	<b>Solubility in Water:</b>	
NA	NA	NA	
<b>Appearance And Color:</b>	<b>Odor:</b>		
Light tan powder	Slight aromatic		

**Section 4 - Fire And Explosion Hazard Data**

<b>Flash Point:</b>	<b>Flammable Limits</b>	<b>LEL:</b>	<b>UEL:</b>
Non-flammable	NA		

**Extinguishing Media:** Foam, CO2, Dry chemical, Water.**Special Firefighting Procedures:**

Wear self-contained breathing apparatus.

**Unusual Fire And Explosion Hazards:**

Extreme heat may release chloride/chlorine.

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**Section 5 - Reactivity Data****Stability:** Stable**Conditions To Avoid:** High heat and strong oxidizing agents.**Incompatibility (Materials To Avoid)** Avoid exposure to strong acids or alkalis and bleach or sodium hypochlorite.**Hazardous Decomposition:** Oxides of carbon, sulfur and nitrogen.**Hazardous Polymerization:** Will Not Occur**Section 6 - Health Hazard Data****Routes of Entry**    **Inhalation** YES/Primary                      **Skin** YES/Primary                      **Ingestion** YES/Secondary**Health Hazards**

Acute: Possibility of slight to moderate eye irritation. Individuals with respiratory problem should avoid inhalation exposure. Chronic Exposure: Not determined

**Carcinogenicity**    **NTP** NO                      **IARC** NO                      **OSHA Regulated** NO**Signs And Symptoms of Exposure:**

Eye: Contact may cause irritation. Skin: Contact may cause skin irritation. May be harmful if absorbed through the skin. Inhalation: May cause irritation to the respiratory tract. Ingestion: May cause irritation to the gastrointestinal tract. May be harmful if swallowed.

**Medical Conditions Generally Aggravated By Exposure:**

None

**Emergency And First Aid Procedures:**

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first five minutes, then continue rinsing. Call a poison control center or doctor for treatment advice., If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

If on Skin: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Other health warnings: Handle broken bags with care, avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

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

Contain and collect the spilled product for disposal. Wash the area with water if possible.

**Waste Disposal Method:**

For small amounts, flush through waste drain. For disposal of large quantities, consult appropriate federal, state and local officials.

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

Do not contaminate water, food or feed by storage or disposal.. Store product in original container and keep in locked storage area. For disposal of empty plastic containers, triple rinse and dispose of at local recycling (if allowable) or sanitary landfill.

Store in a cool dry place.

**Other Precautions:**

For accidentally opened bag, dispose of content in toilet and flush down the drain. Avoid breathing dust.

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

Where the possibility of dust exists due to broken bags, use NIOSH/MSHA approved dust mask.

Ventilation: Local Exhaust Adequate  
Mechanical NA

Special NA  
Other: NA

Gloves: Rubber

Eye Protection: Wear safety glasses or goggles.

Other Protective  
Clothing: None

Work/Hygienic Practice: Use good personal hygiene. Wash hands before eating. Avoid inhalation of dust.



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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.