

**MATERIAL SAFETY DATA SHEET**  
 (Updated 02/05/2005)  
**DOUGLAS PRODUCTS and PACKAGING CO.**  
 1550 E. Old 210 Highway  
 Liberty, MO 64068  
 (816) 781-4250  
 Fax: (816) 781-1043

**Product Identification**

**Trade Name: Sanafoam® Vaporooter® II**  
**Restricted use Product**

**Emergency Chemtrec\* #:**

**1-800-424-9300**

**Day Telephone: 1-816-781-4250**

**Manufacturer's Name: Douglas Products**  
 1550 E. Old 210 Hwy  
 Liberty, Mo 64068

**Night Telephone: 1-816-781-4650**

**EPA Registration No.: 1015-70**

Material or Component	Cas#	%	OSHA/ ACGIH	PEL	TLV ppm	HAZARD DATA
Sodium						
Methyldithiocarbamate	137-42-8	30.00	-/-	-	-	-
Inert Ingredients		70.00	-/-	-	-	-
Dichlobenil 50W	1194-65-6	50.00	-/-	-	-	-
Inert Ingredients		50.00	-/-	-	-	-
Isopropyl Alcohol	67-63-0	-	-/-	-	-	-

**Chemical Names:** Sodium methyldithiocarbamate, metam-sodium CAS 137-42-8  
 2,6 dichlorobenzonitrile, dichlobenil CAS 1194-65-6  
 also contains a small amount of isopropyl alcohol CAS 67-63-0

**Product Description:** The fiberboard box holds 3 containers: 2 15-ounce plastic bags containing dichlobenil POWDER and a 5-gallon plastic container of the metam- sodium/foaming agent solution. When applicable, the plastic container contents will be referred to as the LIQUID and the plastic bag contents as the POWDER.

**HMIS: Health- Flammability- Reactivity- Personal Protection-**

Physical Properties	Product Description	
	LIQUID	POWDER
Appearance	light green to yellow	tan powder
Odor	sulfur-like	slightly aromatic
Boiling Point	ND	N/A
Specific Gravity	1.15(H <sub>2</sub> O=1)	N/A
Vapor Density	ND	N/A
Melting Point	N/A	N/A
Vapor Pressure	N/A	N/A
Evaporation Rate	N/A	N/A
Soluble in Water	miscible	insoluble, dispersible
PH	7.5 to 9.5	N/A

**Fire Data**

**Flashpoint:** 150 degrees F (Pensky-Martins CC)

This Flashpoint results from the presence of a small quantity of isopropyl alcohol (less than 1%), the product is nonflammable.  
 Water

**Extinguishing Media:**

**Fire Fighting Techniques:**

Wear full face, self-contained breathing apparatus and impervious protective clothing. Evacuate non-essential personnel from the area. The fiberboard boxes contain plastic containers, so cool with a water spray to avoid container rupture. The breakdown products resulting from high heat are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Run off from fire control of dilution with water may cause pollution or contamination of building, grounds and equipment.

**Health Hazard Information**

**Principal routes of entry** are skin contact, eye contact or inhalation. Irritation may result from skin or eye contact with either the LIQUID or the POWDER. No data has been identified which address medical conditions that are generally recognized as being aggravated by exposure to this product.

#### FIRST AID

**Eye contact:** Flush eyes with water for at least 15 minutes and get medical attention if eye irritation persists.

**Skin contact:** Immediately remove contaminated clothing or shoes and flush with plenty of water to avoid skin irritation.

**Inhalation:** In confined spaces such as tanks and manholes: Remove to fresh air. If breathing has stopped, start artificial respiration procedures and get medical attention immediately.

**Ingestion:** Give several glasses of water. Do not induce vomiting. Get medical attention immediately. These materials are not listed in accepted cancer registries, such as NTP or IARC.

**CARCINOGENICITY:** NTP: Unknown IARC: Unknown OSHA: Unknown

#### REACTIVITY

**Conditions contributing to instability:** Avoid mixing with acidic material as evolution of Hydrogen Sulfide may occur.

**Incompatibility:** The LIQUID may decompose on exposure to bases.  
The POWDER is corrosive to brass, copper, zinc and aluminum.

**Hazardous Decomposition Products:** The product will decompose in extreme heat.

**Conditions Contributing to Hazardous Polymerization:** None known.

#### SPECIAL HANDLING INFORMATION

**Eye Protection:** Avoid eye contact with this material. Use of face shield and glasses or goggles are recommended.

**Respiratory Protection:** Avoid breathing vapor or mist. Use of self-contained breathing apparatus in confined spaces, such as approved pesticide respirator with pre-filter is useful to avoid mists or dust fumes. Examples of NIOSH/MSHA respirators for this use are:  
\*Wilson TC-23C-751, TC-23C-747, TC-23C-791 and TC-23C-792  
\*North TC-23C-74/190  
\*Easi-Care (3M) #7300S NSN 4240-01-246-5404  
This equipment must be worn if a pungent sulfurous odor persists. Always read respirator instruction booklet for your personal respirator before using.

**Skin Protection:** Avoid skin contact with this material for it can be a severe skin irritant if not washed off. Use gauntlet-type unlined rubber gloves and long sleeved shirts.

**Other:** A large volume of water (10 gallons or more) should be available to wash any spills off personnel.

#### SPILL, LEAK AND DISPOSAL

Use appropriate safety equipment when dealing with spills or leaks. Add absorptive granules, such as litter, and sweep up the absorbents.

Place in a waste disposal container for safe and legal disposal. Then clean area with a minimum amount of water.

For container disposal, triple rinse the containers and place rinse water into the application equipment solution tank or sanitary sewer manholes. Puncture or cut container in three places and dispose of container in a sanitary landfill. Ensure that all federal, state and local regulations for disposal are followed.

Do not hose spillage onto adjacent planted areas. These herbicides may adversely affect desirable lawns, shrubs and trees. Foam should be shoveled off planted areas immediately.

#### SPECIAL PRECAUTIONS/STORAGE

\*Keep out of reach of children.  
\*Do not store near food or foodstuffs.  
\*The LIQUID portion of the product is toxic to fish.  
\*Keep children and pets out of storage and treatment areas.  
The information and statements on the Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination, but is

not to be construed as a warranty or representation for which we assume legal responsibility.

\*To extend product quality:

Avoid prolonged exposure to temperatures below 33 degrees F to prevent package damage.

Avoid prolonged exposure to temperatures above 90 degrees F to protect foam quality. Never store near heat source or in direct sunlight.