

SAFETY DATA SHEET



1. IDENTIFICATION

PRODUCT NAME: Sanafoam Vaporooter® II

DESCRIPTION: A combination liquid and dry component foaming fumigant

COMPANY IDENTIFICATION:

Manufactured by: Douglas Products and Packaging Company
1550 East Old 210 Highway
Liberty, MO 64068
USA

2. HAZARD IDENTIFICATION



DANGER

Causes severe skin burns and eye damage (H314)

May be corrosive to metals (H920)



Harmful if swallowed, in contact with skin or inhaled (H302+312+332)

May cause an allergic skin reaction (H317)



Very toxic to aquatic life with long lasting effects (H400+410)

GHS Hazard Classification

Category

Skin Corrosion / Irritation

1

Eye Damage / Irritation

1

Skin Sensitization

1

Acute Toxicity, Oral

4

Acute Toxicity, Dermal

4

Acute Toxicity, Inhalation

4

GHS Hazard Classification

Category

Corrosion to Metals

1

Hazard to the Environment, Acute

1

Hazard to the Environment, Long-Term

1

Prevention

- Store only in original, corrosion resistant container with a resistant inner liner. (P234+406)
- Do not breathe dust or vapors and use only outdoors or in a well-ventilated area. (P260+271)
- Wear splash resistant eye/face protection, clothing that covers the body including arms and legs, a chemical resistant apron or cloth coveralls, and chemical-resistant gloves and boots. (P280)
- Wash thoroughly after handling and do not eat, drink, or smoke when using this product. (P264+270)
- Contaminated work clothing should not be allowed out of the workplace. (P272)
- Avoid release to the environment. (P273)

Response

- Absorb and collect any spillage to prevent damage. (P390+391)

IF SWALLOWED: Immediately call a doctor or Poisons Information Centre, phone Australia 13 11 26 for treatment advice. Rinse mouth. Do NOT induce vomiting. NOTE: Probable mucosal damage may contraindicate gastric lavage. (P301+310+330+331+321)

IF ON SKIN: Immediately take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. call a doctor or Poisons Information Centre, phone Australia 13 11 26 for treatment advice. If skin irritation or rash occurs: get medical advice or attention. Wash contaminated clothing before reuse. (P302+352+310+321+362+364+333+313)

2. HAZARD IDENTIFICATION (continued)

Response (continued)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor or Poisons Information Centre, phone Australia 13 11 26. (P304+340+310)

IF IN EYES: Immediately call Poisons Information Centre or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+351+338+310)

Storage

- Keep locked up and store only in original container. (P405+234+406)

Disposal

- Dispose of the container in accordance with the instructions contained in the product label. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Dry Component			
Dichlobenil	2,6-dichlorobenzonitrile	1194-65-6	50.0%
		OTHER:	50.0%
Liquid Component			
Metam-sodium	Sodium methyldithiocarbamate	137-42-8	30.0%
		OTHER:	70.0%

4. FIRST AID MEASURES

Have the product container or label with you when calling a doctor or Poisons Information Centre, or going for treatment.

IF IN EYES: If poisoning occurs, immediately contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN OR CLOTHING: Immediately take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Wash contaminated clothing before reuse. Contact a doctor or Poisons Information Centre, phone Australia 13 11 26 for treatment advice.

IF SWALLOWED: If poisoning occurs, immediately contact a doctor or Poisons Information Centre for treatment advice. Phone Australia 13 11 26. Avoid giving alcohol. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a doctor or Poisons Information Centre. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIREFIGHTING MEASURES

Flash Point: unknown

Flammability (solid, gas): 64.6°C (200°F)

Fire and Explosion Hazards: Thermal decomposition may produce toxic and flammable fumes (see Section 10).

Extinguishing Medium: Water fog, non-polar foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health – 3 / Flammability – 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Do not breathe the fumes. Wear suitable personal protective clothing and equipment as described in Section 8 of this document. Wash thoroughly after handling.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Dike spill using suitable absorbent or impervious materials such as sand, cat litter, commercial clay, gel or similar absorbents. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Contact with moisture can create the toxic and flammable gases of methylisocyanate and hydrogen sulfide. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

7. HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Storage: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetative matter. Do not store near pet or livestock quarters. Store in a cool, dry, and well ventilated area. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

Ensure adequate ventilation of the working area. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Dark, amber liquid

Odor: Essentially odorless to fairly strong odor of amine or sulfur

Flashpoint: unknown

Flammability (solid, gas): 64.6°C (200°F)

pH: 7.5-9.5 (for the liquid component)

Melting Point: 0°C (32°F)

Boiling Point: 112°C (234°F)

Density: 1.10 g/cm³ (at 25°C)

Viscosity: 1.15 for liquid

Solubility: Soluble in water

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat, do not store near heat or flame. Mixing with acidic materials.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with brass as it will decompose.

HAZARDOUS DECOMPOSITION PRODUCTS: Methylisocyanate (MITC) and hydrogen sulfide (H₂S) forms when product is in contact with water or moisture. Oxides of nitrogen can also be produced.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): 1,260 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg (dry component), > 1,000-2,000 mg/kg (liquid component)

INHALATION TOXICITY (rat LC₅₀): > 8.35 mg/L

EYE IRRITATION: Severely irritating with necrosis present

SKIN IRRITATION: Severely irritating with necrosis present

SKIN SENSITIZATION: Guinea pig – Positive contact sensitizer

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to mammals, birds, aquatic invertebrates and fish.

The following information is for the active ingredient, Dichlobenil:

AQUATIC TOXICITY

Fish (96-hour LC₅₀): 5-13 mg/L

Daphnia (48-hour LC₅₀): 6.2 mg/L

Algae (5-d EC₅₀): 2.0 mg/L

AVIAN TOXICITY

Bobwhite Quail (oral LD₅₀): 683 mg/kg

Mallard Duck (8-d LC₅₀): >5200 mg/kg

OTHER TOXICITY

Honey Bee (contact LD₅₀): > 11 µg/bee

The following information is for the active ingredient, Metam-sodium:

AQUATIC TOXICITY

Rainbow Trout (96-hour LC₅₀): 35.2 mg/L

Bluegill (96-hour LC₅₀): 0.39 mg/L

Daphnia (48-hour EC₅₀): 2.3 mg/L

AVIAN TOXICITY

Bobwhite Quail (oral LD₅₀): 500 mg/kg

Mallard Duck (5-d LC₅₀): >5000 mg/kg

OTHER TOXICITY

Honey Bee: not toxic to bees when used as directed

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site by discharging into sewer pipes being treated or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

UN Number	UN3267
ADG, IMDG, IATA	
Proper Shipping Name	
ADG	CORROSIVE LIQUID, BASIC, ORGANIC, N. O.S. (metam-sodium), ENVIRONMENTALLY HAZARDOUS
IMDG	CORROSIVE LIQUID, BASIC, ORGANIC, N. O.S. (metam-sodium), MARINE POLLUTANT
IATA	CORROSIVE LIQUID, BASIC, ORGANIC, N. O.S. (metam-sodium)
Dangerous Goods Class	
ADG Class:	8 (C7) Corrosive substances.
IMDG Class:	8 Corrosive substances.
Packing Group:	
ADG, IMDG, IATA	III
Marine pollutant:	Yes Symbol (fish and tree)
EMS Number:	F-A, S-B
Hazchem Code:	2X
Special Provisions:	223, 274
Limited Quantities:	5L
Packaging & IBCs - Packing Instruction:	P001, IBC03, LP01
Packaging & IBCs - Special Packing Provisions:	No information available
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers – Special Provisions:	TP1, TP28

15. REGULATORY INFORMATION

Classified as hazardous substance according to criteria of Safe Work Australia.

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a Schedule 6 POISON.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 51811/ 0704.

Product is classified as a Dangerous Good according to the ADG Code (7th Ed).

Product is classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

Requirements concerning special training: None required.

16. OTHER INFORMATION

To the extent consistent with applicable law, Douglas Products makes no warranty, expressed or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except for those which are contained on the label.

SDS Version: 1.0

Effective Date: 15/05/2017