

SAFETY DATA SHEET

Issuing Date 8-June-2018

Revision Date

Revision Number 1

NGHS / English



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1. IDENTIFICATION

Product identifier

Product Name Terro® Outdoor/Garage Garbage Guard

Other means of identification

Product SKU T800

Size 0.37 oz

Recommended use of the chemical and restrictions on use

Recommended Use Vapor Toxicant, Pest, Non-Aerosol

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Senoret Chemical Company, Inc.

Address 69 North Locust St.
Lititz
Pennsylvania
17543
United States

Telephone Phone:(800) 800-1819
Fax:(800) 800-1819

Emergency telephone number (800) 424-9300

Company Emergency Phone Number (717) 626-2125

Regulatory License EPA Registration Number 5481-348-149



2. HAZARDS IDENTIFICATION

Classification

Acute toxicity, oral	Category 4
Acute toxicity, inhalation	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Skin sensitization	Category 1
Carcinogenicity	Category 2

Appearance Rectangular plastic strip

Physical state Solid

Odor Mild chemical odor

GHS Label elements, including precautionary statements

Warning

Hazard statements

Harmful if swallowed.

Harmful if inhaled.

Causes skin irritation.

May cause an allergic skin reaction.

Causes eye irritation.

Suspected of causing cancer.



Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Precautionary Statements – Storage/Disposal

Storage - Store in original unopened package until ready to use. Protect from extreme temperatures.

Disposal - Dispose of contents/container in accordance with local/regional/national/international regulations.

Other information

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS



Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Dichlorvos (DDVP)	62-73-7	18.6- < 20	-	-

All concentrations are in percent by weight.

4. FIRST AID MEASURES

First aid measures

General advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Ingestion	Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. Get medical advice/attention if you feel unwell.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	This product is a Cholinesterase Inhibitor. Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. these include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia. Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	This product contains an Organophosphate (OP) Insecticide. However, it is the opinion of the manufacturer/supplier, and their Occupational medical consultant, that any significant exposure to this OP insecticide is highly unlikely. Based upon the formulation of the pest
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strip the individual's contact with the OP is extremely limited by design. Therefore the examining physician should exercise prudent judgment in determining the causation of the patient's symptoms - taking care to not overlook multiple other etiologies of the patient's symptoms. Contact a local or national poison control center for more information. If it is established that OP poisoning has occurred, the following steps are recommended. Establish airway and oxygenation. IV Atropine sulfate is the antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minutes intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion, in 250 cc of saline over a 15 to 20 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. Avoid morphine, aminophylline, phenothiazine, reserpine, furosemide and ethacrynic acid. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been attained as determined by a blood test. Bathe and shampoo contaminated skin and hair. If ingested, empty stomach; activated charcoal is useful to further to further limit absorption. If victim is alert, Syrup of Ipecac (2 tablespoons in adults, 1 tablespoon in small children) is indicated. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

General Information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray. Water fog. Foam. Dry chemical powder. Carbon Dioxide (CO ₂).
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Hydrogen chloride, carbon oxides and unidentified organic compounds may be formed when it is heated excessively or burned.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep



out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment/cleaning up Pick up strips for reuse or disposal. Wash thoroughly with soap and water after handling the strip.

Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

Read label before use. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store in original sealed package until use. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children. Keep away from food, drink and animal feedstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Dichlorvos (DDVP) (CAS 62-73-7)	PEL	1 mg/m ³

US. ACGIH Threshold Limit Values Components Type Value Form

Components	Type	Value	Form
Dichlorvos (DDVP) (CAS 62-73-7)	TWA	0.1 mg/m ³	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value

Components	Type	Value
Dichlorvos (DDVP) (CAS 62-73-7)	TWA	1 mg/m ³

Biological limit values No biological exposure limits noted for the ingredient(s).



Exposure guidelines**US ACGIH Threshold Limit Values: Skin designation**

Dichlorvos (DDVP) (CAS 62-73-7) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Dichlorvos (DDVP) (CAS 62-73-7) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Dichlorvos (DDVP) (CAS 62-73-7) Can be absorbed through the skin.

Appropriate engineering controls**Engineering controls**

General ventilation normally adequate. Applicable for industrial settings only: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Not normally needed. If contact is likely, safety glasses with side shields are recommended.

Hand protection

Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. Nitrile, butyl rubber or neoprene gloves are recommended.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection

No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Solid
Appearance	Rectangular plastic strip
Odor	Mild chemical odor
Color	Yellow or Blue
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	Not applicable.		
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available		
Flash Point	No data available		
Evaporation Rate	10-100 mg/day of DDVP	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	1.00E-02 mm Hg (DDVP)	None known	
Vapor density	Heavier than air.	None known	
Relative density	1.26		
Water Solubility	Negligible		
Solubility(ies)	This product is softened in aromatic and chlorinated solvents.	None known	



Partition coefficient: n-octanol/water	No Information Available	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	0
Liquid Density	No information available
Bulk Density	68.66 lb/ft ³
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Strong acids. Oxidizing agents. Strong bases.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known. This product may emit hazardous fumes of hydrogen chloride, carbon oxides, and unidentified organic compounds when it is heated excessively or burned. WEAR SELF-CONTAINED BREATHING APPARATUS when these conditions are present.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	Harmful if inhaled.
Eye contact	Causes eye irritation.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	Harmful if swallowed.

Information on toxicological effects

Symptoms	This product is a Cholinesterase Inhibitor. Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower
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cholinesterase levels increase vulnerability to cholinesterase depression. These include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia.

Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin. Repeated exposures to small doses of organophosphates may lower the cholinesterase to levels where the above symptoms of acute overexposure are observed.

Numerical measures of toxicity

Acute Toxicity Harmful if inhaled. Harmful if swallowed. May cause an allergic skin reaction.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	382.00 mg/kg (female rat)
	679.00 mg/kg (male rat)
ATEmix (dermal)	27,400.00 mg/kg

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Dichlorvos (DDVP) (CAS 62-73-7)	-	2B	-	-

Legend

IARC (International Agency for Research on Cancer)
Group 2B - Possibly carcinogenic to humans

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified.

Aspiration hazard Not likely, due to the form of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity Very toxic to aquatic life. This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters or wastes.



Dichlorvos (DDVP) (CAS 62-73-7)

Acquatic

Crustacea	EC50	Water flea (Daphnia pulex)	0 – 0.0001 mg/l, 48 hours
Fish	LC50	Cutthroat trout (Oncorhynchus clarki)	0.141 - 0.321 mg/l, 96 hours

Persistence and Degradability No data is available on the degradability of this product.

Bioaccumulation No data available.

Mobility No data available.

Other adverse effects None known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Unused products can typically be disposed in the trash. Dispose of in accordance with all applicable regulations.

Contaminated packaging As a household waste, the spent strip should be wrapped in paper, placed in a sealed plastic bag, and put into the trash. If large numbers of strips are to be discarded the local authorities or the EPA should be contacted to find out the current regulations. The empty package can be placed in the trash.

14. TRANSPORT INFORMATION

DOT

UN-No.	UN3077
Proper Shipping Name	Environmentally hazardous substances, solid, n.o.s. (Dichlorvos) MARINE POLLUTANT
Hazard Class	9
Packing group	III
Special Provisions	8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33
Packaging Exceptions	155
Packaging non bulk	213

IATA

UN-No.	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Dichlorvos)– Product Not Labeled for Air Shipment

IMDG/IMO

UN-No.	UN3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Dichlorvos), MARINE POLLUTANT
Hazard Class	9
Packing Group	III
Marine Pollutant	Yes
EmS-No.	F-A, S-F

15. REGULATORY INFORMATION

US Federal Regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.



This product is registered under EPA/FIFRA Regulations. It is a violation of Federal Law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

This is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

HAZARD TO HUMANS AND DOMESTIC ANIMALS.

WARNING

May be fatal if swallowed. Do not taste or swallow. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes. Avoid contact with clothing. After prolonged storage, a small amount of liquid may form on strip. Do not get liquid in eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum using tobacco, or using the toilet. Do not use in hospitals or clinic rooms, such as patient rooms, wards, nurseries, operating or emergency areas. Remove and wash contaminated clothing before reuse. Within homes, use only in closets, wardrobes and cupboards. Do not use in closets and wardrobes of rooms where infants, children and the sick or aged are or will be present for any extended period of confinement. Do not use in any area of the home where people will be present for extended periods of time. Do not use in kitchens (except cupboards), restaurants or areas where food is prepared or served. Not to be taken internally by humans or animals.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Dichlorvos (DDVP) (CAS 62-73-7) Listed.

SARA 304 Emergency release notification

Dichlorvos (DDVP) (CAS 62-73-7) 10 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

SARA 302 Extremely hazardous substance

Dichlorvos (DDVP)	CAS 62-73-7	Reportable Quantity (pounds) 10	Threshold planning quantity (pounds) 1000
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SARA 311/312 Hazardous Chemical Classified Hazard Categories

Yes
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Carcinogenicity

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%
Dichlorvos (DDVP)	62-73-0	18.6- < 20

CWA (Clean Water Act)

Dichlorvos (DDVP) (CAS 62-73-7)



US State Regulations**California Proposition 65**

WARNING: This product can expose you to dichlorvos, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION**NEPA**
HMIS

Health hazards	2	Flammability	1	Instability	0
Health hazards	2	Flammability	1	Physical hazards	0

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Revision Date

Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet