

Safety Data Sheet
Prepared in compliance with Regulation 29 CFR §1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name and EPA Reg. No.:	DeerPro Spring/Summer Repellent EPA Registration Number 84178-5
Synonym:	DPSST Repellent
Recommended Use of the chemical	Deer, rabbit, and vole repellent
and restriction on use:	The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification.
Name, Address and Phone	Great Oak, Inc. 10 Great Oak Lane Redding, CT 06875
number of Manufacturer:	
Emergency telephone number:	1-800-858-7378 National Pesticides Information Center (NPIC) seven days a week, 6:30 am to 4:30 pm Pacific Time

SECTION 2: HAZARDS IDENTIFICATION**Classification of the substance or mixture:**

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Acute Inhalation Toxicity	Category 4
Skin Irritation	Category 2
Serious Eye Damage/ Eye Irritation	Category 2B
Specific Target Organ Toxicity – Repeated Exposure	Category 2

Signal word: Warning

Pictogram(s):



Hazard statement(s):

H302: Harmful if swallowed
H312: Harmful in contact with skin
H332: Harmful if inhaled
H315: Causes skin irritation

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H320: Causes eye irritation

H373: May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

Prevention:

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

Response:

P301+P312: If swallowed: call a poison centre/doctor if you feel unwell.

P302+P352: If on skin, wash with plenty of water.

P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention

P321: Specific treatment (see supplemental first aid instruction on product label).

P362+P364: Take off contaminated clothing and wash it before reuse.

P312: Call a poison center or doctor if you feel unwell.

P330: Rinse mouth.

Disposal:

P501: Dispose of contents and container to landfill in accordance with local, regional, national, and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component(s)*	CAS number	Concentration (Weight Percentage)
Thiram	137-26-8	8.4%
Putrescent Whole Egg Solids	51609-52-0	5.5%
Other Ingredients	Proprietary*	86.1 %*
* Ingredient disclosure is kept trade secret in accordance with OSHA 29 CFR 1910.1200.		

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice and attention if you feel unwell.

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Skin contact:	After contact with skin, wash immediately and thoroughly with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Take victim to a doctor if irritation persists.
Eye contact:	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.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.
Most important symptoms/effects, acute and delayed:	May cause nausea, vomiting, stomach ache, and diarrhoea. May cause skin and eye irritation.
Indication of immediate medical attention and special treatment needed, if necessary:	Treat symptomatically. If exposed, seek medical advice and attention. Have product container or label at hand, if seeking medical advice.

Section 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Water spray, alcohol-resistant foam, powder, carbon dioxide (CO ₂).
Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):	Substance itself does not burn, but may decompose upon heating to produce toxic fumes, such as SO _x and iron fumes.
Special protective equipment and precautions for fire-fighters:	Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in a positive pressure mode. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers and tanks cool. Under fire conditions closed containers may rupture or explode.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Clear the danger area. Avoid any direct contact with the product. Mechanically ventilate the spillage area. No flames, no sparks. Eliminate all sources of ignition. Do not breathe aerosol. Do not attempt to take action
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Environmental Hazards:	without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Methods and material for containment and cleaning up:	In case of significant spillage: Only qualified personnel equipped with suitable protective equipment may intervene. Contain the spilled material by bunding. Do not discharge into drains or rivers. Recover the product with absorbent material. Shovel into suitable and closed container for disposal. Use non-sparking tools. Wash away residue with large amounts of water. Dispose of contaminated materials in accordance with current regulations.

Section 7: HANDLING AND STORAGE

Precautions for safe handling:	Wash face, hands and any exposed skin thoroughly after handling. Since empty container retains residue, follow all label warnings even after container is empty. Remove Personal Protective Equipment immediately after handling this product. Use only in well-ventilated areas. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Do not allow contaminated clothing out of the workplace.
Conditions for safe storage:	Keep container tightly closed and dry. Keep cool and protect from heat and direct sunlight. Keep away from ignition sources. Take precautionary measures against static discharges. Store under inert atmosphere.
Incompatible materials:	Strong oxidizing agents. Strong acids. Strong bases.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available. Time weighed average (TWA). Short-term Exposure Limit (STEL).

Chemical	ACGIH TLV	OSHA PEL	NIOSH IDLH
Thiram CAS: 137-26-8	TWA: 0.05 mg/m3 inhalable fraction and vapor	TWA: 5 mg/m3 (vacated) TWA: 5 mg/m3	IDLH: 100 mg/m3 TWA: 5 mg/m3

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Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits indicated above.

Individual protection measures, such as personal protective equipment:

Eye/face Protection: Wear approved safety goggles.

Skin Protection: Wear protective nitrile rubber gloves. Wear long-sleeved shirt, long pants, and shoes plus socks.

Respiratory Protection: Adequate general ventilation should be provided to keep vapor and mists below exposure limits. The exposure limits for product components are listed in Section 2. Wear a NIOSH/OSHA approved respirator with a dust/mist cartridge if there is potential of exposure to mists in excess of applicable limits, in any situation where product vapor or mists may be present, such as in confined spaces.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Cream colored opaque liquid
Odor:	Strong sulfur-like odor
Odor threshold:	No data available
pH:	8.10
Melting point/freezing point.	No data available
Initial boiling point and boiling range:	No data available
Flash point:	N/A
Evaporation rate:	No data available
Flammability (solid, gas).	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Density:	1.094
Solubility(ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	182.7 cST (20°C)

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Section 10: STABILITY AND REACTIVITY

Reactivity:	Stable at ambient temperature and under normal conditions of use.
Chemical stability:	Stable under use and storage conditions as recommended in section 7.
Possibility of hazardous reactions:	No hazardous reactions if stored and handled as prescribed/indicated.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.
Incompatible materials:	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral:	LD50= >5000 mg/m3
Dermal:	LD50= >5000 mg/m3
Inhalation:	LC50=
Skin contact:	Causes skin irritation.
Eye contact:	Causes eye irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure :	May cause damage to organs through prolonged or repeated exposure

Chemical	ACGIH	IARC	NTP	OSHA
Thiram		Group 3		

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Section 12: ECOLOGICAL INFORMATION**Component**

Thiram (CAS: 137-26-8) : Very toxic to aquatic life with long lasting effects.

Persistence and Degradability: Not determined.

Bioaccumulation potential: Not determined.

Soil mobility: The product is water soluble and may spread in water systems.

Other adverse effects: Avoid release to the environment.

Section 13: DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not dump into any sewers, on the ground, or into any body of water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated Packaging:

Do not reuse container. Triple rinse with water and dispose of container. Dispose of in accordance with federal, state and local regulations.

Chemical	RCRA	RCRA-Basis for listing	RCRA-D series waste	RCRA-U series wastes
Thiram CAS: 137-26-8	U244			U244

Section 14: TRANSPORT INFORMATION**DOT/IATA/IMDG**

UN number: UN 3082

UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (Thiram)

Transport hazard class(es): 9

Packing group: III

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Section 15: REGULATORY INFORMATION**International Inventories****TSCA:** Listed**EINECS:** Listed**DSL:** Listed**US Federal Regulations**

Chemical	CAS No.	Weight Percentage	SARA 313-Threshold Values
Thiram	137-26-8	8-10%	1.0%

SARA 311/312 Hazard Categories

Chemical	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Thiram CAS: 137-26-8		8-10%	RQ 10 lb final RQ RQ 4.54 kg final RQ

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical	New Jersey	Massachusetts	Pennsylvania
Thiram CAS: 137-26-8	X	X	X

Section 16: OTHER INFORMATION**Issue Date:** December 18, 2023**Date of revision:** N/A

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.

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