

## 1. IDENTIFICATION

**Product identifier used on the label:** **DeerPro® Spring/Summer Deer Repellent**

**Recommended use of the chemical and restriction on use** Recommended use: deer, rabbit, and vole repellent

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. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Other means of identification:** EPA Reg. No. 84178-4

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:** Great Oak, Inc.  
10 Great Oak Lane  
Redding, CT 06875

**Emergency phone number:** 877.486.3337

1-800-858-7378 National Pesticides Information Center (NPIC)  
seven days a week, 6:30 am to 4:30 pm Pacific Time

## 2. HAZARDS IDENTIFICATION

### 2012 OSHA HSC Classification; 29 CFR Part 1910.1200

**Classification of product** No need for classification according to GHS criteria for this product

**Emergency overview**  
**1994 OSHA HC**  
**Classification;**  
**29 CFR Part 1910.1200**

**Hazards not otherwise classified**

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Component(s)	CAS number	Concentration
Capsaicin	404-86-4	0.0286%
Putrescent Whole Egg Solids	51609-52-0	5.94%
Proprietary		94.0314%

## 4. FIRST AID MEASURES – DESCRIPTION OF FIRST AID MEASURES

### GENERAL ADVICE

Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or

<b>Inhalation:</b>	doctor or going for treatment. Remove the affected individual into fresh air. If symptoms develop or persist, seek medical attention.
<b>Skin contact:</b>	Remove contaminated clothing. Rinse skin. If symptoms develop or persist, seek medical attention.
<b>Eye contact:</b>	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. If symptoms develop or persist, seek medical attention.
<b>Ingestion:</b>	Have person sip a glass of water if able to swallow. Do not induce vomiting. If symptoms develop or persist, seek medical attention.
<b>Most important symptoms and effects, both acute and delayed</b>	Symptoms: No significant reaction of the human body to the product known.
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	
<u>Note to Physician</u>	
Treatment:	Symptomatic treatment
<b>5. FIRE FIGHTING MEASURES</b>	
<b>Extinguishing Media</b>	
Suitable extinguishing media:	Use extinguishing media suitable for surrounding fire.
<b>Special hazards arising from the substance or mixture</b>	Hazards during fire-fighting: Hazardous combustion products including oxides of carbon.
<b>Advice for fire-fighters</b>	Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
<b>Further information:</b>	Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>Environmental precautions</b>	Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Do not apply directly to water. or rinsate. Contain contaminated water/firefighting water.
<b>Methods and material for containment and cleaning up</b>	Absorb spill and place in appropriate container for disposal. Residue left on floors presents a slip hazard. Do not walk through spilled material. Clean spill area with hot, soapy water. Dry thoroughly. Spilled substance/product should be recovered and applied according to label rates whenever possible. Dispose of spilled product in accordance with federal and local regulations.
<b>7. HANDLING AND STORAGE</b>	
<b>Precautions for safe handling</b>	RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until

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

ready to use. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/ product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

Keep away from foods and animal feeds. Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Users of a pesticidal product should refer to the product label for personal protective equipment requirements.**

**Advice on system design:**

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

**Personal protective equipment**

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

**Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

**Hand protection:**

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

**Eye protection:**

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

**Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

**General safety and hygiene measures:**

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance (physical state, color, etc.):**

**Form**

Liquid

**Odor:**

Faint, garlic-like

<b>Odor threshold:</b>	No data available
<b>Color</b>	Creamy beige
<b>pH:</b>	5.0
<b>Melting point/freezing point.</b>	Not determined
<b>Initial boiling point and boiling range:</b>	Not determined
<b>Flash point:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Density/specific gravity</b>	1.065 g/ml
<b>Vapor density</b>	not determined
<b>Self-ignition temperature:</b>	not determined
<b>Thermal decomposition:</b>	not determined
<b>Solubility in water:</b>	not determined

## 10. STABILITY AND REACTIVITY

**Reactivity:** Stable at ambient temperature and under normal conditions of use.

**Chemical stability** The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions** Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to avoid** Conditions to avoid:  
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** Substances to avoid:  
Caustics and strong oxidants

**Hazardous decomposition products** Decomposition products:  
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:  
Possible thermal decomposition products:  
carbon monoxide, carbon dioxide  
Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.

## 11. TOXICOLOGICAL INFORMATION

**Primary routes of exposure** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.

**Acute Toxicity/Effects**

<u>Acute toxicity</u>	Assessment of acute toxicity:
<u>Oral</u>	Type of value: LD50 Species: rat (female) Value: > 5,000 mg/kg body weight No mortality was observed.
<u>Inhalation</u>	Type of value: LC50 Species: rat (male and female) Value: > 2.08 mg/L No mortality was observed.
<u>Dermal</u>	Type of value: LD50 Species: rat (male/female) Value: > 5,000 mg/kg body weight No mortality was observed.
<u>Irritation / corrosion</u>	Assessment of irritating effects: May cause slight but temporary irritation to the eyes. Contact may result in slight skin irritation.
<u>Skin</u>	Species: rabbit Result: slightly irritating Method: Primary skin irritation test
<u>Eye</u>	Species: rabbit Result: practically non-irritating Method: Primary eye irritation test
<u>Sensitization</u>	Assessment of sensitization: Buehler Method Species: guinea pig Result: Non-sensitizing.
<b>Chronic Toxicity/Effects</b>	
<u>Repeated dose toxicity</u>	Assessment of repeated dose toxicity: The product has not been tested. No adverse effects expected based on components.
<u>Genetic toxicity</u>	Assessment of mutagenicity: The product has not been tested. No genotoxicity expected based on components.
<u>Carcinogenicity</u>	Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. No components are listed as carcinogenic by NTP, IARC, EPA or OSHA.
<u>Reproductive toxicity</u>	Assessment of reproduction toxicity: The product has not been tested. No adverse effects expected based on components.
<u>Teratogenicity</u>	Assessment of teratogenicity: The product has not been tested. No adverse effects expected based on components.
<b>Symptoms of Exposure</b>	No significant reaction of the human body to the product known.
<b>12. ECOLOGICAL INFORMATION</b>	
<b>Toxicity</b>	
<u>Aquatic toxicity</u>	Assessment of aquatic toxicity: No information available for the product. Not expected to be acutely toxic based on component information. Use precaution and do not use or allow spills to enter open water.
<u>Toxicity to fish</u>	No available information for the product.

Aquatic invertebrates

No available information on the product

Aquatic plants

No available information on the product

**Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)

No available information on the product

**Bioaccumulative potential**

Assessment

No available information on the product

bioaccumulation potential

Assessment

No available information on the product

bioaccumulation potential

**Mobility in soil**

Assessment transport between environmental compartments

No available information on the product

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal of substance:**

Pesticide wastes are regulated. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container disposal:**

Consult state or local disposal authorities for approved alternative procedures such as container recycling.

**14. TRANSPORT INFORMATION**

**Land transport**

USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

**15. REGULATORY INFORMATION**

**Federal Regulations**

Registration status:

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**CERCLA**

This product contains no CERCLA listed chemicals.

**SARA TITLE III SECTION 311/312 HAZARD CLASS**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

None

SARA TITLE III SECTION 313 CHEMICALS

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

**NFPA Hazard codes:**

Health : 1      Fire: 1      Reactivity: 0      Special:

**Labeling requirements under FIFRA**

This chemical is a pesticide product registered by the 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, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**CAUTION:**

Causes slight eye and skin irritation. Avoid contact with eyes, skin and clothes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**16. OTHER INFORMATION, INCLUDING DATE OF REVISION OR LAST REVISION**

**SDS Preparation:**

SDS Prepared on: 6/15/2018

**Important:** While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. further, you expressly understand and agree that the descriptions, designs, data, and information furnished by our company hereunder are given gratis and we assume no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

END OF DATA SHEET