

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand Alpine™ Dust Insecticide

### EMERGENCY PHONE NUMBERS:

**MEDICAL:** 800-225-3320 (Prosar)**TRANSPORTATION:** 800-424-9300 (Chemtrec)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Prescription Treatment® brand Alpine™ Dust Insecticide  
**EPA Reg. No.:** 499-527  
**Product Code(s):** 02-0421 (12 x 8 oz)  
 02-0422 (4 x 3 lbs)  
**EPA Signal Word:** CAUTION  
**Distributed by:** Whitmire Micro-Gen Research Laboratories, Inc.  
 3568 Tree Court Industrial Blvd.  
 St. Louis MO 63122-6682

### SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### COMPOSITION INFORMATION

ACTIVE INGREDIENT (0.25%)	%	CAS NO.
Dinotefuran	0.25	165252-70-0
OTHER INGREDIENTS* (99.75%)	%	CAS NO.
Diatomaceous Earth (including silicon dioxide, other oxides and moisture)	99.75	61790-53-2

\* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

#### EXPOSURE INFORMATION

MATERIAL	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Dinotefuran	NE	NE	NE	NE
Diatomaceous Earth (Amorphous Silica – Natural Diatomite)	NE	80 mg/m <sup>3</sup>	NE	10 mg/m <sup>3</sup>

### SECTION 3. HAZARDS IDENTIFICATION

#### SIGNS/SYMPTOMS OF EXPOSURE

Eye irritation, coughing, wheezing, difficulty breathing, and upper respiratory tract irritation.

#### ROUTES OF ENTRY

**Primary:** Inhalation      **Secondary:** Skin      **Tertiary:** Ingestion

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in carbon dioxide, water vapor, and may produce oxides of nitrogen.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mist.

### SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

**Eye Contact:** Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Note to Physician:** None

**Medical Conditions Generally Aggravated by Exposure:** Preexisting lung and respiratory conditions.

**Emergency Telephone Number of Prosar:** 800-225-3320 (for medical emergencies)

### SECTION 5. FIRE FIGHTING MEASURES

#### FIRE AND EXPLOSION

**Flash Point (TCC):** NA

**Explosibility Limits of Propellant in Air (% by volume):**

Lower (LEL) = NA      Upper (UEL) = NA

**NFPA 308 Flammability:** NA

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mist.

#### IN CASE OF FIRE

**Extinguisher Media:** CO<sub>2</sub>, Dry Chemical, Water, Foam

**Special Fire Fighting Procedures:** None required

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE OF SPILL OR LEAK

Spilled material should be carefully collected and containerized in a manner that produces the least amount of airborne dust. Residual surface material may be removed with towels moistened with water. Wet floors may become extremely slippery in the presence of this dust.

This product contains no Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.

**Emergency Telephone Number of Chemtrec:** 800-424-9300 (for transportation spills)

#### PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

**Eyes:** Use proper protection – safety glasses are recommended.

**Skin:** Wear chemical-resistant gloves. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

**Inhalation:** Use of a respirator may be appropriate when working with spills in enclosed or confined spaces or when working in potentially high dust environments. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an N prefilter. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

#### WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all local, state and federal regulations concerning health and pollution to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

### SECTION 7. HANDLING AND STORAGE

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. **CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

#### STORAGE

Do not contaminate water, food or feed. Store in a cool, dry place inaccessible to children.

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** None required when used according to label directions. For prolonged exposure or if used in enclosed or confined areas with the potential for high dust exposure, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an N prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training, and testing requirements.

**Protective Gloves:** Chemical-resistant gloves are recommended if prolonged or repeated skin contact is likely. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

**Eye Protection:** Use proper protection – safety glasses are recommended.

**Other Protective Equipment:** None required

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### VENTILATION

**Local Exhaust:** Recommended

**Mechanical:** None required

**Special:** None required

**Other:** Provide adequate ventilation.

The American Conference of Government Industrial Hygienists (ACGIH) classifies mineral particulates as nuisance dusts. This natural Diatomaceous Earth has measured levels of less than 0.1% crystalline silica as quartz. Levels are therefore less than the OSHA concentration limit of 0.1%.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Fine white powder

**Solubility in Water:** Active ingredient is soluble, the rest is not

**Viscosity:** NA

**Boiling Point:** NE

**pH:** NE

**Odor:** Characteristic earthy odor

**Vapor Pressure:** NA

**Vapor Density:** NA

**Melting Point:** 1,400°F

**Density:** 2.2 lbs/ft<sup>3</sup>

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Indefinite when used according to label directions.

**Conditions to Avoid:** None known

**Incompatibility (Material to Avoid):** Avoid contact with hydrofluoric acid; heat may be generated.

**Hazardous Polymerization:** Will not occur

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in carbon dioxide, water vapor, and may produce oxides of nitrogen.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

**Primary:** Inhalation

**Secondary:** Skin

**Tertiary:** Ingestion

#### ACUTE

**Eyes:** Product is mildly irritating to the eyes. Product produced corneal opacity in 1/3 rabbits clearing within 72 hr. Iritis and conjunctival irritation were noted in 3/3 rabbits. No positive scores were noted on day 4 and all eyes were free of irritation by day 7.

**Skin:** Product is slightly irritating to the skin. Acute dermal toxicity LD<sub>50</sub> > 5,000 mg/kg (rats). Primary skin irritation index = 0.3 (rabbits); all irritation was clear within 24 hr. Product is not a dermal contact sensitizer (guinea pigs).

**Ingestion:** Acute oral toxicity LD<sub>50</sub> > 5,000 mg/kg (rats).

**Inhalation:** Acute inhalation toxicity LC<sub>50</sub> > 2.08 mg/L (rats).

#### CHRONIC / CARCINOGENICITY

Neither this product nor any of its ingredients are classified as carcinogens by the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

### SECTION 12. ECOLOGICAL INFORMATION

This pesticide is toxic to shrimp. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Dinotefuran technical is highly toxic to bees. The acute oral and contact LD<sub>50</sub> in bees were 0.056 µg/bee and 0.022 µg/bee, respectively.

### SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container and waste in accordance with all federal, state and local regulations.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Empty container by using the product according to the label directions. Place empty container in trash or offer for recycling if available. If container is partly full, contact your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Waste Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### SECTION 14. TRANSPORT INFORMATION

#### SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

**Proper Shipping Description:** Pesticide, dry (Not Regulated)

**Package Marking:** None required

**Package Labeling:** None required

**Certified Packaging:** None required

#### SHIPMENT BY WATER (IMDG CLASSIFICATION) OR BY AIR (ICAO/IATA CLASSIFICATION)

No information available

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Consult appropriately trained shipping professional before offering for shipment by water or air.

### SECTION 15. REGULATORY INFORMATION

#### CERCLA

This product contains no CERCLA listed chemicals.

#### SARA TITLE III SECTIONS 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 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:

Immediate Health Hazard

#### 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.

#### CALIFORNIA SAFE DRINKING AND TOXIC ENFORCEMENT ACT (PROP 65)

This product contains a de minimis amount of naturally occurring crystalline silica and arsenic, chemicals known to the state of California to cause cancer.

#### TSCA

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

### SECTION 16. OTHER INFORMATION

#### NFPA HEALTH RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 1

#### HMIS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 1

KEY: 4 = Severe  
3 = High  
2 = Moderate  
1 = Slight  
0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

NA - Not Applicable  
NE - Not Established  
PEL - Permissible Exposure Limit  
TLV - Threshold Limit Value  
STEL - Short Term Exposure Limit (15 min)  
TWA - Time Weighted Average (8 hr)



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.

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