

# MATERIAL SAFETY DATA SHEET

## PRESCRIPTION TREATMENT® brand TRI-DIE Pressurized Silica + Pyrethrin Dust Formula 1

### EMERGENCY PHONE NUMBERS:

**MEDICAL:** 800-225-3320 (PROSAR)

**TRANSPORTATION:** 800-424-9300 (CHEMTREC)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PRESCRIPTION TREATMENT brand TRI-DIE Pressurized Silica + Pyrethrin Dust Formula 1  
**EPA Reg. No.:** 499-385  
**Product Code(s):** 02-0239 (12 x 8 oz.)  
**EPA Signal Word:** WARNING  
**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 INGREDIENTS (13.4%)	%	CAS NO.
Pyrethrins	0.6%	8003-34-7
Piperonyl Butoxide, Technical	4.8%	51-03-6
Amorphous Silica Dioxide	8.0%	112926-00-8

OTHER INGREDIENTS* (86.6%)	%	CAS NO.
Acetone	proprietary	67-64-1
Isoparaffinic Hydrocarbon	> 10.0%	64741-66-8
Diffluoroethane	proprietary	75-37-6
1,1,1,2-Tetrafluoroethane	proprietary	811-97-2

\* 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
Pyrethrins	NE	NE	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Pyperonyl Butoxide, Tech.	NE	NE	NE	NE
Amorphous Silica Dioxide	6 mg/m <sup>3</sup>	NE	NE	10 mg/m <sup>3</sup>
Acetone	NE	750 ppm	1,000 ppm	750 ppm
Isoparaffinic Hydrocarbon	400 ppm	NE	NE	NE
Diffluoroethane	NE	NE	NE	1,000 ppm
1,1,1,2-Tetrafluoroethane	NE	NE	NE	NE

### SECTION 3. HAZARDS IDENTIFICATION

#### NOTES TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

#### SIGNS/SYMPTOMS OF EXPOSURE

Product is an eye irritant. Prolonged exposure may cause skin irritation and drying of nose and throat.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in halogen agents.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130° F (54° C) may cause bursting.

### 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.

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

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

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

**Ingestion:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Contains petroleum distillate - vomiting may cause aspiration pneumonia.

**Medical Conditions Generally Aggravated by Exposure:** None known.

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

### SECTION 5. FIRE FIGHTING MEASURES

#### FIRE AND EXPLOSION

**Flash Point:** NE

**Flame Projection:** > 18" (46 cm)

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

Lower (LEL) = NE

Upper (UEL) = NE

**NFPA 30B Flammability:** Level 2 Aerosol.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130° F (54° C) may cause bursting.

#### IN CASE OF FIRE

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

**Special Fire Fighting Procedures:** None required.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and allow to discharge completely in well ventilated area, then dispose of as directed below.

This product contains the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemicals *Pyrethrins* and *Acetone* which have reportable quantities (RQ) of 1 lb. A release of more than 7 lbs. of this product (14 units) is reportable to the National Response Center (800-424-8802).

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

#### PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

**Eyes:** Wear protective eyewear (goggles, face shield or glasses).

**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:** If working in enclosed spaces, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

#### WASTE DISPOSAL METHOD

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. Do not contaminate water, food or feed by storage or disposal of wastes.

### SECTION 7. HANDLING AND STORAGE

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. WARNING – Causes skin irritation. Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Harmful if absorbed through skin or inhaled. Avoid breathing spray dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### PHYSICAL OR CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F (54° C) may cause bursting.

#### STORAGE

Do not contaminate water, food or feed by storage. Store in a cool, dry area away from heat and inaccessible to children.

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** For prolonged exposure or if used in enclosed areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter may be used.

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

**Eye Protection:** Use proper protection – safety glasses as a minimum.

**Other Protective Equipment:** None required.

### VENTILATION

**Local Exhaust:** None required.

**Mechanical:** None required.

**Special:** None required.

**Other:** Provide adequate ventilation of treatment area.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Sprays as tan powder.

**Solubility in Water:** Slight.

**Viscosity:** NE

**Boiling Point:** NA

**pH:** NA

**Odor:** Characteristic Pyrethrin odor.

**Vapor Pressure:** 70 psig @ 70°F

**Vapor Density:** NA

**Freezing/Melting Point:** NA

**Density:** 7.2 lbs./gal. @ 20° C

## SECTION 10. STABILITY AND REACTIVITY

### REACTIVITY

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

**Conditions to Avoid:** Do not spray into open flame or onto very hot surfaces.

**Incompatibility (Material to Avoid):** None known.

**Hazardous Polymerization:** Will not occur.

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in halogen agents.

## SECTION 11. TOXICOLOGICAL INFORMATION

### ROUTES OF ENTRY

**Primary:** Skin

**Secondary:** Inhalation

**Tertiary:** Ingestion

### ACUTE

**Eyes:** Product is an eye irritant. Causes substantial but temporary eye injury.

**Skin:** Prolonged exposure may cause skin irritation. Acute dermal LD<sub>50</sub> > 2,000 mg/kg (rabbits).

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

**Inhalation:** Unlikely due to the product being pressurized and producing particles large enough not to be respirable. A few cases of extrinsic asthma from pyrethrin mixtures have been reported. Prolonged exposure may cause drying of nose and throat. Acute inhalation LC<sub>50</sub> > 4.78 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 product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Apply this product only as specified on the label. Do not contaminate water by cleaning of equipment or disposal of wastes.

## SECTION 13. DISPOSAL CONSIDERATION

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

**Container Disposal:** Do not puncture or incinerate! Empty container by using the product according to the label directions. Offer empty container for recycling,

if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.

**Waste Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

## SECTION 14. TRANSPORT INFORMATION

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

**Proper Shipping Name:** Consumer Commodity

**Hazard Class:** ORM-D

### SHIPMENT BY WATER (IMDG CLASSIFICATION)

**Proper Shipping Name:** Aerosols

**Hazard Class:** 2.1

**UN I.D. NO.:** 1950

**Proper Shipping Description:** Dangerous Goods in Limited Quantities of class 2.1

**Package Labeling:** None required.

**Package Marking:** Dangerous Goods in Limited Quantities of class 2.1

### SHIPMENT BY AIR (IATA CLASSIFICATION)

**Proper Shipping Name:** Aerosols

**Hazard Class:** 2.1

**UN I.D. NO.:** 1950

**Proper Shipping Description:** Aerosols, 2.1, UN 1950, LTD. QTY.

**Package Labeling:** Flammable Gas

**Package Marking:** Aerosols, UN 1950, LTD. QTY.

**ICAO/IATA Packaging Instructions:** Y203, ERG code 10L

## SECTION 15. REGULATORY INFORMATION

### CERCLA

This product contains the CERCLA listed chemicals *Pyrethrins* and *Acetone* each of which has a reportable quantity (RQ) of 1 lb.

### 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:

Acute Health Hazard  
Fire Hazard  
Release of Pressure (puncture) Hazard

### SARA TITLE III SECTION 313 CHEMICALS

This product contains the following substances subject to the reporting requirements of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and/or 40 CFR Part 372:]

Piperonyl Butoxide, Technical 4.8% by weight

### 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 - 1 REACTIVITY - 1

### HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 1

KEY: 4 = Severe  
3 = Serious  
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 hrs)



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

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