



**UNIVAR**

**Univar USA Inc.  
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(425) 889-3400**

For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300  
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The Version Date for this MSDS is : 02/10/2005

RESIDUAL FORMULA 1

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PRODUCT IDENTIFICATION

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PRODUCT NAME:            PRESCRIPTION TREATMENT BRAND ORTHENE CRACK & CREVICE  
                                  PRESSURIZED RESIDUAL FORMULA 1

MSDS#:                    P11718VS

DATE ISSUED:             06/02/2004

SUPERSEDES:             10/12/1998

ISSUED BY:                009118

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT(R) brand ORTHENE Crack & Crevice(R) Pressurized  
Residual 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(R) brand Orthene  
                                  Crack & Crevice Pressurized Residual  
EPA Reg. No.:            499-373  
Product Code(s):         02-0289-1 (12 x 18 oz.)  
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 INGREDIENTS (1.0%)       | %       | CAS NO.    |
| Acephate                        | 1.0%    | 30560-19-1 |
| OTHER INGREDIENTS- (99.0%)      | %       | CAS NO.    |
| Isoparaffinic Petroleum Solvent | > 10.0% | 64742-47-8 |

|                 |             |          |
|-----------------|-------------|----------|
| Dimethyl Ketone | 25.0%       | 67-64-8  |
| Dimethyl Ether  | proprietary | 115-10-6 |
| Carbon Dioxide  | proprietary | 124-38-9 |

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                      |
| Acephate                        | NE       | NE        | NE         | NE                       |
| Isoparaffinic Petroleum Solvent | 300 ppm  | NE        | NE         | NE                       |
| Dimethyl Ketone                 | NE       | 750 ppm   | 1,000 ppm  | 750 ppm                  |
| Dimethyl Ether                  | NE       | NE        | NE         | 1,000 ppm<br>(estimated) |
| Carbon Dioxide                  | NE       | 5,000 ppm | 30,000 ppm | 5,000 ppm                |

#### SECTION 3. HAZARDS IDENTIFICATION

##### NOTES TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia. It symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

##### SIGNS/SYMPTOMS OF EXPOSURE

Prolonged exposure may cause skin irritation. Excessive exposure may cause signs of cholinesterase depression.

##### SIGNS/SYMPTOMS OF CHOLINESTERASE DEPRESSION

Symptoms include discomfort or tightness in chest, difficulty in breathing, stomach pains, vomiting, diarrhea, cramps, headache, nervousness, weakness, non-active pinpoint pupils or blurred vision, Symptoms may not occur until 1-12 hours after exposure. NOTE: when used according to label directions, this level will not be attained.

##### ROUTES OF ENTRY

Primary: Skin      Secondary: Inhalation      Tertiary: Ingestion

##### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in carbon dioxide and carbon monoxide.

##### UNUSUAL FIRE. EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130 F 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.

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.

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.

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.

Note to Physician: Contains petroleum distillate - vomiting may cause aspiration pneumonia. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

Medical Conditions Generally Aggravated by Exposure: None known.

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

#### SECTION 5. FIRE FIGHTING MEASURES

##### FIRE AND EXPLOSION

Flash Point (TCC): NE

Flame Projection: NE

Explosibility Limits of propellant in Air (% by volume):

Lower (LEL) = NE Upper (UEL) = NE

NFPA 30B Flammability: Level 3 Aerosol

##### UNUSUAL FIRE. EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130 F 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 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 prolonged exposure to product vapor or spray mist may occur. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R. P, or HE prefilter.

#### 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 OUT-DOOR DRAIN OR SEWER.

#### SECTION 7. HANDLING AND STORAGE

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. CAUTION - Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin and clothing.

##### PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130 F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not spray on plastic, painted or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, telephones, etc.

##### STORAGE

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

#### SECTION 8. EXPOSURE CONTROL I PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

###### Respiratory Protection:

None required when used according to label directions.

###### 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 are recommended.

###### Other Protective Equipment:

None required.

##### VENTILATION

###### Local Exhaust:

None required.

###### Mechanical:

Provide adequate ventilation of treatment area.

###### Special:

None required.

Other:

None required.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Sprays as a coarse spray.  
Odor: Characteristic Acephate odor.  
Solubility in Water: Insoluble.  
Vapor Pressure: 65 psig @ 70 F  
Viscosity: NE  
Vapor Density: NE  
Boiling Point: NE  
Freezing/Melting Point: NE  
pH: NE  
Density: 0.82 g/ml @ 20 C

#### SECTION 10. STABILITY AND REACTIVITY

##### REACTIVITY

Stability:

Indefinite when used and stored according to label directions.

Conditions to Avoid:

Do not spray directly into open flame or onto very hot surfaces.

Incompatibility (Material to Avoid):

May react with strong acids or strong oxidizing agents.

Hazardous Polymerization:

Will not occur.

##### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in carbon dioxide and carbon monoxide.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### ROUTES OF ENTRY

Primary: Skin Secondary: Inhalation Tertiary: Ingestion

##### ACUTE

Eyes:

Product produced slight conjunctival irritation reversible in 48 hours in rabbits.

Skin:

Prolonged exposure may cause skin irritation. Acute dermal LD50 > 2,000 mg/kg (rabbits). Primary skin irritation index = 0. Product is not a sensitizer when tested on guinea pigs.

Ingestion:

Acute oral toxicity LD50 = 5,190 mg/kg (rats).

Inhalation:

Unlikely due to product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity LC50 = 5.7 mg/L (rats). Excessive exposure to this product may cause signs of cholinesterase depression. Symptoms include discomfort or tightness in chest, difficulty in

breathing, stomach pains, vomiting, diarrhea, cramps, headache, nervousness, weakness, non-active pinpoint pupils or blurred vision. Symptoms may not occur until 1-12 hours after exposure. When used according to label directions, this level will not be attained.

#### 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 and birds. 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 contaminate water by cleaning of equipment or disposal of wastes.

#### SECTION 13- DISPOSAL CONSIDERATION

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

#### SECTION 14. TRANSPORT INFORMATION

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

Proper Shipping Description: Consumer Commodity, ORM-D

Package Marking: "Consumer Commodity, ORM-D"

Package Labeling: No label required.

Certified Packaging: Not required.

##### SHIPMENT BY WATER (IMDG CLASSIFICATION)

##### Proper Shipping Description:

Dangerous Goods in Limited Quantities of Class 2.1

Package Marking: "Dangerous Goods in Limited Quantities of Class 2.1"

Package Labeling: No label required.

Certified Packaging: Not required.

##### SHIPMENT BY AIR (ICAO/IATA CLASSIFICATION)

Proper Shipping Description: Aerosols, Flammable, 2.1, UN 1950

Package Marking: "Aerosols, Flammable, UN 1950, LTD. QTY."

Package Labeling: Flammable Gas

Certified Packaging: Not required.

##### Other Requirements or Instructions:

Complete air bill with packing instruction Y203,  
ERG code 10L.

#### SECTION 15. REGULATORY INFORMATION

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:

Acute Health Hazard

Fire Hazard

Release of Pressure (puncture) Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains the following substance 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:

Dimethyl Ketone (CAS #67-64-8) 25.0% 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 - 2 REACTIVITY - 1

KEY: 4 = Severe  
3 = Serious  
2 = Moderate  
1 =Slight

HMIS HAZARD RATING INFORMATION

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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 ,I WHITMIRE MICRO GEN Effective Review 06/02/04

NE - Not Established Review Date: NA

PEL -hr Permissible Exposure Limit 00 Supercedes 10/12/98

TLV -070

TLV - Threshold Limit Value Code # 192-005 / 209-070

STEL - Short Term Exposure Limit (15 min.) Text ID: 040402-2

TWA - Time Weighted Average (8 hrs) Part Number: 19-0721-01

For Additional Information:

Contact: MSDS Coordinator - Univar USA

During business hours, Pacific Time - (425) 889-3400

NOTICE

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Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Univar USA Sales Office.

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END OF MSDS