

Safety Data Sheet

PRO-CONTROL®

Revision date : 17.08.2009

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Version: 1.0

(30487421/SDU_GEN_US/EN)

1. Product and Company Identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Registrant:
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis, MO 63122

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

| <u>ACTIVE INGREDIENTS (3.295%)</u> | <u>%</u> | <u>CAS NO.</u> |
|--------------------------------------|----------|----------------|
| Pyrethrins | 0.535 | 8003-34-7 |
| Piperonyl Butoxide, Technical | 1.050 | 51-03-6 |
| n-Octyl Bicycloheptene Dicarboximide | 1.710 | 113-48-4 |

| <u>OTHER INGREDIENTS* (96.705%)</u> | <u>%</u> | <u>CAS NO.</u> |
|-------------------------------------|-------------|----------------|
| 2-Propanone | proprietary | 67-64-1 |
| Dimethyl Ether | proprietary | 115-10-6 |

* 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

| <u>MATERIAL</u> | <u>OSHA PEL</u> | | <u>ACGIH TLV</u> | |
|--------------------------------------|-----------------|------------|----------------------|---------------------|
| | <u>STEL</u> | <u>TWA</u> | <u>STEL</u> | <u>TWA</u> |
| Pyrethrins | NE | NE | 10 mg/m ³ | 5 mg/m ³ |
| Piperonyl Butoxide, Technical | NE | NE | NE | NE |
| n-Octyl Bicycloheptene Dicarboximide | NE | NE | NE | NE |
| 2-Propanone | NE | 750 ppm | 1000 ppm | 750 ppm |
| Dimethyl Ether | NE | NE | NE | 1000 ppm |

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes can cause irritation. Prolonged or repeated contact with skin may cause allergic reaction in some individuals. Inhalation of product vapors may cause chemical intoxication at high airborne concentrations.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide, carbon monoxide

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UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting. Liquid run off to sewers may create a fire/explosion hazard.

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.

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.

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.

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.

Note to Physician: None

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 (TCC): <20°F

Flame Projection: NE

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

Lower (LEL) = 3.4%

Upper (UEL) = 18.0%

NFPA 30B Flammability: Level 2 Aerosol

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting. Liquid run off to sewers may create a fire/explosion hazard.

IN CASE OF FIRE

Extinguisher Media: Carbon dioxide, dry chemical, foam, water spray/fog

Special Fire Fighting Procedures: Water can be used to cool fire-exposed containers. Fire fighting personnel should wear full protective equipment and positive pressure self-contained breathing apparatus (SCBA) approved for firefighting.

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 which has a reportable quantity (RQ) of 1 lb and *2-Propanone* which has a reportable quantity (RQ) of 5000 lbs. A

release of more than 193 lbs of this product (approx. 515 containers) 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: 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 or P 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** - Harmful if inhaled or absorbed through the skin. Avoid breathing vapors. Avoid contact with skin or clothing. Wash thoroughly after handling. Do not remain in enclosed areas after use. Stay out of rooms being treated for at least two hours. Ventilate enclosed areas before returning. Avoid contamination of food and foodstuffs. Remove pets and birds, cover and turn off fish aquariums before spraying.

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PHYSICAL OR CHEMICAL HAZARDS

Extremely Flammable. Keep away from fire, sparks and heated surfaces. Contents under pressure. Do not use or store near heat, sparks or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow "Directions for Use" on the label very carefully.

STORAGE

Do not contaminate water, food or feed. Store away from heat or open flame in an area inaccessible to children.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required for typical use exposure. See Section 6 for atypical exposure.

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

VENTILATION

Local Exhaust: None required

Mechanical: None required

Special: None required

Other: Ventilate area for 30 minutes before reoccupying. Do not remain in enclosed areas after product is activated.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dispenses as spray mist

Solubility in Water: Disperses

Viscosity: NE

Boiling Point: NE

pH: NE

Odor: Typical of Pyrethrins

Vapor Pressure: NE

Vapor Density: NE

Freezing/Melting Point: NE

Density: 0.807 g/cm³ @ 68°F (H₂O = 1.0)

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Indefinite when stored and used according to label directions.

Conditions to Avoid: Avoid excessive heat (temperatures above 130°F), fire, sparks and heated surfaces.

Incompatibility (Material to Avoid): Nitric plus acetic acids, nitric plus sulfuric acids, oxidizers and organic acid anhydrides.

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Inhalation

Secondary: Skin

Tertiary: Ingestion

ACUTE

Eyes: Direct contact with eyes can cause irritation.

Skin: Prolonged or repeated contact with skin can cause allergic reaction in some individuals.

Ingestion: Ingestion is not considered a likely route of exposure. Product may cause severe distress and serious illness if taken internally. LD₅₀ > 20,000 mg/kg.

Inhalation: Inhalation of product vapors may cause chemical intoxication at high airborne concentrations. LC₅₀ > 4.6 mg/L.

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).

Carcinogenicity/Oncogenicity - Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following lifetime administration of high doses of Pyrethrins. Further detailed scientific studies into the mode of action responsible for these effects show that:

* Because of biological species differences, the rat thyroid tumors are not relevant to humans.

* The rat liver tumors occur in animals *only* at doses greatly exceeding human exposure levels and that cause cell proliferation (mitogenesis).

Based on these data, the USEPA has classified Pyrethrins as "Not likely to be Carcinogenic to Humans" at doses that do not cause a mitogenic response in the liver/cell proliferation. Thus, Pyrethrins can be considered to be non-carcinogenic at exposure levels relevant to human use of Pyrethrins-containing products.

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SECTION 12. ECOLOGICAL INFORMATION

Product is not intended for outdoor application. Product is toxic to fish. 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 equipment washwaters.

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: 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 for disposal instructions.

Pesticide 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: None required

Certified Packaging: None required

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. Packages offered or intended for other modes of transportation are subject to additional requirements. Consult an appropriately trained Shipping Professional before offering for shipment.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains the CERCLA listed chemicals *Pyrethrins* which has a reportable quantity (RQ) of 1 lb and *2-Propanone* which has a reportable quantity (RQ) of 5,000 lbs.

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 (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 (CAS# 51-03-6) 1.05% 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 - 3 INSTABILITY - 0

HMIS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 3 PHYSICAL HAZARD - 0

KEY:

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

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)

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