

MATERIAL SAFETY DATA SHEET

Summer Frost™ Maintenance Mist

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Summer Frost™ Maintenance Mist
EPA Reg. No.: 499-427-82676
Product Code(s): 05-0170 [4 x 3.17 quarts (3 liters)]
EPA Signal Word: CAUTION
Distributed by: MistAway Systems
2121 Brittmoore Ste. 5200
Houston, TX 77043

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENTS (19%)	%	CAS NO.
Pyrethrins	3.0%	8003-34-7
Piperonyl butoxide, technical	6.0%	51-03-6
n-Octyl bicycloheptene dicarboximide	10.0%	113-48-4
OTHER INGREDIENTS (81%)	%	CAS NO.
Surfactant blend	proprietary	61791-12-6

MATERIAL	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
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
Surfactant blend	NE	50 ppm	NE	50 ppm

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes can cause moderate irritation. Prolonged or frequent and repeated skin contact may cause allergic reaction in some individuals.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known

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 min. Call a poison control center or doctor for treatment advice.

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 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.

Medical Conditions Generally Aggravated by Exposure: None known

Emergency Telephone Number (Prosar): 800-225-3320

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Tag Open Cup): >200°F

Flammable Limits in Air (% by volume):

Lower (LEL) = NE

Upper (UEL) = NE

IN CASE OF FIRE

Extinguisher Media: Foam, Dry Chemical, CO₂, Water

Special Fire Fighting Procedures: None required - water based product.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak use absorbent material to collect and contain for salvage or disposal. Ventilate area. This product contains the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemical *Pyrethrins* which has a reportable quantity (RQ) of 1 lb. A release of more than 33 lb of this product (approx. 4 gal) is reportable to the National Response Center (800-424-8802).

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

PROTECTIVE EQUIPMENT

Eyes: Use appropriate eye protection - safety glasses or goggles at a minimum.

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.

Other Protective Equipment: Rubber boots, full legged pants and long sleeve shirt.

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. NEVER PLACE WASTE 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 absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove pets and birds and remove or cover fish aquariums and turn off air pump (if conditions permit) before treating.

OTHER PRECAUTIONS

In health care facilities or schools remove patients or students prior to treatment. Thoroughly ventilate treated area for two hours before reoccupying treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE

Do not contaminate water, food or feed by storage. Store in original container in secured dry storage area inaccessible to children. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated in Section 6.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Protective Gloves: None required. 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: None required - use of safety glasses or goggles is recommended.

Other Protective Equipment: None required. Long sleeve shirt, long pants and shoes plus socks are recommended.

VENTILATION

Local Exhaust: None required

Mechanical: Provide adequate ventilation of treatment area

Special: None required

Other: Ventilate area before reentering

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Summer Frost™ Maintenance Mist

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid
pH: 5.24
Viscosity: 6.58 cps @ 20°C
Boiling Point: NE
Solubility in Water: Miscible
Odor: Characteristic pyrethrum odor
Vapor Pressure: NA
Vapor Density: NE
Freezing/Melting Point: NE
Specific Gravity: 0.9877 g/ml @ 20°C

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable
Conditions to Avoid: None known
Incompatibility (Material to Avoid): Inorganic acids and bases. Avoid contact with bleaching agents and oxidizers.
Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

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

ACUTE

Eyes: Product produced slight, reversible conjunctival irritation in rabbits. No corneal opacity or iritis was observed.
Skin: Product is slightly irritating to skin. Prolonged or repeated skin contact may cause irritation. Primary skin irritation index = 1.08 (rabbits). Acute dermal toxicity LD₅₀ > 2,000 mg/kg (rabbits). Product is a skin sensitizer to albino guinea pigs.
Ingestion and Inhalation: Acute oral toxicity LD₅₀ > 5,000 mg/kg (rats). Acute inhalation toxicity LC₅₀ > 4.1 mg/L (rats).

CHRONIC / CARCINOGENICITY

Neither this product nor any of its ingredients are classified as a carcinogen 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, 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. Apply this product only as specified on the product label.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal.

Container Disposal: Do not reuse this container. Dispose of container and waste in accordance with all federal, state and local regulations. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. 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

DOT CLASSIFICATION (4 gal or less)

Proper Shipping Description: Liquid Insecticide (Not Regulated)
Package Marking: None Required
Package Labeling: None Required
Certified Packaging: None Required

DOT CLASSIFICATION (More than 4 gal)

Proper Shipping Description: Environmentally Hazardous Substance, Liquid, N.O.S., 9, UN3082, PG III, RQ (Pyrethrins)
Package Marking: "Environmentally Hazardous Substance, Liquid, N.O.S., 9, UN3082, PG III, RQ (Pyrethrins)"
Packing Labeling: Class 9 (Misc. Hazard)
Certified Packaging: UN certified packaging is required

IMDG (OCEAN) CLASSIFICATION

Same as DOT

IATA (AIR) CLASSIFICATION (4 gallons or less)

Same as DOT

IATA (AIR) CLASSIFICATION (More than 4 gallons)

Same as DOT. Complete air bill with IATA packaging instruction 914, ERG code 9L and list as Cargo only.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains the CERCLA listed chemical *Pyrethrins* 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

SARA TITLE III SECTION 313 CHEMICALS

This product contains the following substances subject to the reporting requirements of Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Piperonyl butoxide, technical 6.0% (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 - 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 MistAway at 713-468-6464.

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)



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