

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122-6682
EFFECTIVE DATE: JANUARY 29, 2001

Prescription Treatment® brand
GREEN-SHIELD®
Disinfectant & Algicide

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)
EMERGENCY PHONE NUMBERS:
MEDICAL: (800) 225-3320 PROSAR
TRANSPORTATION: (800) 424-9300 CHEMTREC
EPA REG. NO.: 499-368

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	OSHA PEL
Ethyl Alcohol, Denatured: 2.25% (CAS #64-17-5)	1000ppm	1000ppm
n-Alkyl (60%C14, 30%C16, 5%C12, 5% C18) dimethyl benzyl ammonium chloride: 10% (CAS #68391-01-5)	NE	NA
n-Alkyl (68%C12, 32%C14) dimethyl ethylbenzyl ammonium chloride: 10% (68956-79-6)	NE	NA

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

SECTION 2: PHYSICAL DATA

Boiling Point: 212°F (100°C)	Evaporation Rate: NA
Vapor Pressure: NA	Solubility in Water: Complete
Percent Volatile: ~77.5%	Appearance and Odor: Light amber liquid with Benzaldehyde odor.
Vapor Density: NA	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 200°F (94°C) (Pensky-Martens Closed Cup)
Explosive Limits: Lower 4%; Upper 19%
Extinguishing Media: Water
Special Firefighting Procedures: None.
Unusual Fire and Explosion Hazards: None known.

SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: See Section 1 for hazardous ingredients present in this product and their corresponding threshold limit values.

Routes of Entry:

Inhalation?	Skin?	Ingestion?
Secondary	Tertiary	Primary

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:

Eye: Burning, irritation and redness.

Skin: Burning, irritation and redness.

Inhalation: Mist caused by manufacturing operations irritates nasal passages. Alcohol portion, which can be inhaled or absorbed, must be controlled below TLV. Prolonged inhalation of vapors causes nausea, loss of motor skills, and disorientation.

Ingestion: Irritation, difficulty breathing and circulatory shock -- concentrate may be fatal. Acute Oral LD₅₀ = 1,000 mg/kg (rats).

Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If in Eyes: Flush eyes with plenty of water for 15 minutes and call a physician.

If Swallowed: Drink egg whites, gelatin solution or, if these are not available, drink large quantities of water. Call a physician.

If on Skin: Flush skin with plenty of water for at least 15 minutes.

If on Clothing: Remove and wash all contaminated clothing before reuse.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5: REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): Anionic materials, oxidizers.

Hazardous Decomposition Products: Nitrous oxides and ammoniacal vapors.

Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Contain all spills and leaks to prevent discharge into the environment. Prevent electrical sparking. Ventilate area. For small spills, soak up with absorbent, shovel into waste container, flush area with water. For large spills, recover liquid for reprocessing or disposal.

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

Waste Disposal Method: Do not contaminate water, food or feed by disposal. Open dumping is prohibited. Do not reuse empty container. **Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. **Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke. In case of spillage, this product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

SECTION 7: SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required.

Ventilation:

Local Exhaust: Use ventilation adequate to keep hazardous ingredients below their TLV.

Mechanical: None required.

Special: None required.

Other: Ventilate area after treatment.

Protective Gloves: Wear rubber or neoprene gloves when handling.

Eye Protection: Wear full face shield or chemical goggles when handling.

Other Protective Equipment: Wear protective clothing to prevent repeated or prolonged contact. Eye wash station and safety shower should be near work area.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Keep out of reach of children. Store in a dry place at temperatures not lower than 32°F or higher than 120°F.

Other Precautions: DANGER: Corrosive. Harmful or fatal if swallowed. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Avoid contamination of food. Remove and wash contaminated clothing. Spilled material is slippery. Wash thoroughly after handling.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 2 Flammability - 1 Reactivity - 1

SECTION 10: SARA TITLE III/SEC. 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	% by weight
	This product contains no Section 313 chemicals.	

SECTION 11: DOT SHIPPING INFORMATION

1 GALLON SIZE:

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D

15 & 30 GALLON SIZE

Proper Shipping Name: Disinfectant, Corrosive Liquid, Basic, Organic, N.O.S. (Quaternary Ammonium Compounds)

Hazard Class: Corrosive, 8

ID #: UN 3267

PG: III

NA - Not Applicable

NE - Not Established

PEL - Permissible Exposure Limit

ACL - Acceptable Ceiling Level

MPC - Maximum Peak Concentration

Product Code: 09-2002 (1 gal.)

09-2004 (15 gal.)

09-2003 (30 gal.)

Prepared by: Dana M. Thomas



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