

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: EVERGREEN PRODUCT I.D. NUMBER (PIN): N.A.

PRODUCT NUMBER: N.A.

WHMIS CLASS: E, D2B

H.M.I.S.

PRODUCT USE: Germicidal cleaner/deodorant

DOT HAZARD CLASS: Not regulated.

COMPANY:

P.B. GAST AND SONS CO., INC
355 COTTAGE GROVE S.E.
GRAND RAPIDS, MICHIGAN 49507

DOT SHIPPING NAME:

N.A.

2	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	FIRE	
0	REACTIVITY	
B	MAXIMUM PERSONAL PROTECTION	

EMERGENCY PHONE: 1-800-843-6174

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. - Not Applicable N.E. = Not Established N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1-5	N.E.	N.E.	N.D.	N.D.
Didecyl dimethyl ammonium chloride	7173-51-5	1-5	N.E.	N.E.	84 mg/kg	N.D.
Ethanol	64-17-5	1	N.E.	N.E.	7060 mg/kg	N.D.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION 3 - PHYSICAL DATA

Color: Green. **Boiling Point:** 100°C (212°F) **Vapor Pressure:** 30 mm of Hg **pH:** 7.2-8.2
Odor: Herbal. **Freezing Point:** 0°C (32°F) **Vapor Density (Air=1):** <1 **1% pH:** 6.8-7.8
Physical State: Liquid **Water/Oil Distribution:** N.E. **Evaporation Rate (Water=1):** N.E. **Specific Gravity:** 1.00 gm/ml
Solubility in Water: Complete **Odor Threshold:** N.E. **VOC Content:** 2.6% **Weight per Gallon:** 8.34 lbs./gal.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A. **Autoignition Temperature:** N.A. **Extinguishing Media:** Dry chemical, foam, carbon dioxide or water fog.
Flammable Limits: N.A. **LEL:** N.A. **UEL:** N.A. **Special Fire Fighting Procedures:** Wear full protective clothing and self-contained breathing apparatus.
Hazardous Combustion Products: Irritating and toxic gases or fumes may be released during a fire. **Unusual Fire and Explosion Hazards:** Combustion products are toxic.

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable. **Hazardous decomposition of By-Products:** Carbon monoxide, carbon dioxide, and toxic chloride vapors.
Incompatibility (Materials to Avoid): Strong oxidizing agents and reducing agents. **Hazardous Polymerization:** Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Inhalation, Eye contact, and Skin contact **Toxicologically Synergistic Products:** None known.
Sensitization: No. **Medical Conditions Aggravated by Exposure:** None known.
EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):
Eyes: Causes irritation or burns and may result in permanent injury to eyes, including blindness. **Carcinogenic Effects:** No carcinogenic effect.
Skin: Causes irritation and corrosive burns. Brief exposure may cause irritation and defatting of the skin. Harmful if absorbed through the skin. **Mutagenic Effects:** No mutagenic effect.
Ingestion: Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death. **Teratogenic Effects:** No teratogenic effect.
Inhalation: Mists and vapors may irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms include headaches, dizziness, drowsiness, and death. **Reproductive Toxicity:** No reproductive toxicity effect.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: NIOSH/MSHS approved respiratory with an organic-vapor removing cartridge with a prefilter approved for pesticides. **Ventilation:** Local exhaust ventilation should be provided. (Explosion proof)
Protective Gloves: Rubber or neoprene gloves. **Eye Protection:** Chemical goggles. Face shield if splashing is possible.
Protective Clothing and Equipment: Wear suitable protective clothing. **Work and Hygienic Practices:** Avoid contact with eyes, skin and clothing.
Storage Requirements: Keep container tightly closed in a cool, well-ventilated place. **Other Requirements:** Keep out of the reach of children.
Keep away from sources of ignition. Do not freeze.

Steps to be Taken if Material is Spilled or Released: Absorb with dry earth, sand or other non-combustible material and transfer to containers. Prevent entry into waterways, sewers, basements or confined areas.

Waste Disposal: Dispose of as permitted by all regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Remove contact lenses after first 5 minutes, then continue rinsing eyes. Seek medical attention.

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

Ingestion: Seek medical attention. Sip water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

Inhalation: Move exposed person to fresh air. Seek medical attention. If person is not breathing, call 911 or an ambulance then give artificial respiration.

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

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department

Phone: 616-245-0574, 800-968-4278

Date of Preparation: 11/7/2008.