

**GARMAN COMPANY**  
**2456 ADIE ROAD**  
**MARYLAND HEIGHTS, MO 63043**

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## COOL ZONE

Data Sheet: 146  
 Prepared: 5/24/01  
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

### SECTION 1: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens, are identified with an asterisk (\*) in this Section. For more information on exposure limits refer to 29 CFR 1910.1000.

Ingredient(s)	Exposure Limits	Percent	Note
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Health and environmental testing shows very low hazard levels. No components of this product are believed to be hazardous, are listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1899, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PELs are established for any of the ingredients.

### SECTION 2: HAZARDS IDENTIFICATION

Permissible Exposure Limits: Not Established

Effects of Acute Overexposure:

Eyes: Hazards evaluation very low.

Skin: Negligible hazard, nor a primary skin irritant. Liquid is neutral with pH 8.

Breathing: Hazard evaluation very low.

Swallowing: Hazard extremely low. Material is considered non-toxic. Nausea or diarrhea could occur in extreme cases.

Primary Route(s) of Entry: Skin contact, eye contact, and inhalation.

Effects of Chronic Overexposure: N/A

Medical Conditions Aggravated by Exposure: N/A

### SECTION 3: FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids apart. Seek medical attention if irritation persists.

Skin: Wash exposed area with soap and water.

Breathing: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention. If possible do not leave person unattended.

Swallowing: Monitor. If diarrhea or nausea occurs, consult a physician.

Carcinogenicity: NTP: no IARC: no OSHA regulated: no

### SECTION 4: FIRE FIGHTING MEASURES

Flash Point: n/a Explosive Limit: n/a

Extinguishing Media: n/a

Hazardous Decomposition Products: n/a

Fire Fighting Procedures: none

Special Fire and Explosion Hazards: none

### SECTION 5: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Collect with absorbent material or pick up mechanically. Rinse affected area with water.

Waste Disposal Method: Dispose as non-hazardous waste in accordance with local regulations.

### SECTION 6: HANDLING AND STORAGE

Store at ambient temperature in closed container to prevent evaporation. May be stored at temperatures to -5°C without freezing. If frozen, allow to thaw at room temperature; product will not be damaged.

### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Not required

Ventilation: Under ordinary conditions of use for its intended purpose, no special ventilation is required.

Protective Gloves: Wear if there is prolonged contact with skin. Gloves not required for incidental contact.

Eye Protection: Wear if needed to prevent reasonable probability of eye contact.

Other Protective Equipment: Observe standard general work practices regarding ingestion, eye contact, and inhalation. Wash after using if there is reasonable probability of contact. Do not wear for prolonged periods non-impervious clothing that becomes wet.

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**SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES**

Property	Measurement	Property	Measurement
Boiling Point	212 ° F @ 760 mmHg	Specific Gravity	1.09 @ 60°F (component)
Vapor Pressure	same as water	Solubility In Water	100%
Appearance	clear liquid, mild lavender scent	pH	8

**SECTION 9: STABILITY AND REACTIVITY**

**Hazardous Polymerization:** Will not occur. **Stability:** Stable.  
**Incompatibility:** Carbon Monoxide and Carbon Dioxide.  
**Other precautions:** Although components have very low hazard levels, the product will remove oils from the skin similar to common soap.

**SECTION 10: TOXICOLOGICAL INFORMATION**

No data available at this time.

**SECTION 11: ECOLOGICAL INFORMATION**

**Aquatic Toxicity Testing:** In accordance with U.S. EPA Office of Pollution Prevention and Toxics criteria for ranking the acute toxicity of chemicals in the aquatic environment, Cool Zone is considered to be of low concern.  
-96 hour acute toxicity versus freshwater algae (selenastrum capricornutum) IAW 40 CFR 797.1050 showed Cool Zone was algicidal at concentrations above 750 ppm.  
-96 hour acute toxicity versus juvenile rainbow trout (Oncorhynchus mykiss) IAW 40 CFR 979.1400 showed an I.C. of 105 ppm.  
-48 hour acute toxicity versus water fleas (Daphnia pulex) less than 24 hours old IAW 40 CFR 979.1300 showed an I.C. of 159 ppm.

**SECTION 12: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Local, State, and Federal Regulations.

**SECTION 13: TRANSPORTATION INFORMATION****Dot Hazard Classification:** Non Hazardous**SECTION 14: REGULATORY INFORMATION**

SARA Title III, Section 313 chemicals: None

SARA Title III, Section 312 Health - Acute (No) Chronic (No) Fire (No) Reactivity (No). Proposition 65: None

**SECTION 15: OTHER INFORMATION**

Containers used to transport and store this material may be hazardous when emptied. Residue (Vapor, Liquid, and/or Solid) may be present in the emptied container. All hazard precautionary measures should be followed.

The information accumulated and reflected in this Material Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.