

# Material Safety Data Sheet

## SECTION I - MANUFACTURER'S INFORMATION

**Manufacturer's Name:** Guardian-IPCO, Inc.  
6606 Cahaba Valley Road  
Birmingham, AL 35242

**Emergency Telephone Number:** 205/991-5316

**Chemical Name and Synonyms:** N/A

**Trade Name and Synonyms:** GI #189 Cooling Water Treatment

**Chemical Family:** Blend

**SECTION II** - HAZARDOUS INGREDIENTS: Listed below:   X    
Not applicable:       

<u>Component</u>	<u>Percentage</u>	<u>CAS NO.</u>
1-Hydroxyethane-1, 1 diphosphonic acid	> 1.0	2809-21-4
Potassium Hydroxide	> 1.0	7732-18-5

## SECTION III - PHYSICAL DATA

Boiling Point (Fahrenheit): Not established      Specific Gravity: 1.17  
Vapor Pressure (mm Hg): Not established      Percent Volatile by Volume: N/A  
Vapor Density (Air=1): Not established      Solubility in Water: Complete  
Appearance and Odor: Clear, amber liquid, sweet odor

**SECTION IV:** - FIRE & EXPLOSION DATA: Listed below:         
Not applicable:   X  

Flash Point (Method Used): N/A  
Flammable Limits: Lel: N/A      Uel: N/A  
Extinguishing Media: Water, foam, carbon dioxide, dry chemical  
Special Fire Fighting Procedures & Unusual Fire and Explosion Hazards:  
None

**SECTION V:** - HEALTH HAZARD DATA: Listed below:   X  
Not applicable: \_\_\_\_\_

Threshold Limit Value: Not established                      TXDS: Not established

Effects of Overexposure:

Eyes: Will cause severe burns.  
Skin: Will cause moderate to severe burns.  
Ingestion: Will cause irritation to gastro-intestinal tract.

Emergency and First Aid Procedures:

Eyes: Flush with water 15 minutes. Seek medical attention.  
Skin: Wash affected area with soap and water. Seek medical attention if irritation persists.  
Ingestion: Give water and seek medical attention immediately. Do not induce vomiting.

**SECTION VI:** - REACTIVITY DATA

Stability:                      Stable:   X                      Unstable: \_\_\_\_\_  
Incompatibility (Materials to avoid): Strong acids or strong oxidizers  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen.

**SECTION VII:** - SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled:    **Large spill:** Neutralize with acetic acid and flush to drain with large amounts of water.    **Small spill:** Flush to drain with large amounts of water.

Waste Disposal Method: Follow all local, state, and federal regulations.

**SECTION VIII:** - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None Required

Ventilation:

Local exhaust: recommended                      Special: N/A  
Mechanical: N/A    Other: N/A

Protective Gloves: Rubber                      Eye Protection: Goggles

Other Protective Equipment: Rubber apron and safety boots.

**SECTION IX:** - SPECIAL PRECAUTIONS: Store drums in a cool, dry area. Keep containers closed when not in use.

*This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200. It contains information that we believe to be true and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Waste Disposal" assumes compliance with Federal, State and Local regulations regarding the disposal of hazardous waste. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.*

Prepared by Jay Mullis/Cindy Davidson, Chemist, January 2001