

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 #190 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>
Maleic Anhydride Hydrolyzed Copolymer	> 1.0	Not established
2-Phosphonobutane-1, 2, 4- Tricarboxylic Acid	> 1.0	40372-66-5
Potassium Hydroxide, 45%	> 1.0	1310-58-3
Phosphono-oxyacetic acid	> 1.0	13147-57-4

SECTION III - PHYSICAL DATA

Boiling Point (Fahrenheit): > 212 degrees Specific Gravity: 1.072
Vapor Pressure (mm Hg): Not established Percent Volatile by Volume: 75
Vapor Density (Air=1): Not established Solubility in Water: Complete
Appearance and Odor: Dark, amber liquid, sweet odor

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

Flash Point (Method Used): N/A

Flammable Limits: Lel: N/A Uel: N/A

Extinguishing Media: Water, carbon dioxide, dry chemical

Special Fire Fighting Procedures & Unusual Fire and Explosion Hazards:

Under fire conditions, product may decompose, releasing irritating and/or toxic gases and aerosols. Fire fighters should wear full protective clothing to include a self-contained breathing apparatus.

SECTION V: - HEALTH HAZARD DATA: Listed below: X
Not applicable: _____

Threshold Limit Value: Not established TXDS: Not established

Effects of Overexposure:

Eyes: May cause severe irritation.

Skin: Can cause irritation in sensitive individuals.

Ingestion: Can cause severe burns and complete tissue perforation of mucous membranes of mouth, throat, esophagus and stomach if swallowed.

Inhalation: Vapor or mist will cause damage to the upper respiratory tract or lung tissue.

This could produce chemical pneumonia, depending upon the severity of exposure.

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 2 fl. oz. vinegar with 2 fl. oz. water and seek medical attention immediately.
Do not induce vomiting.

Inhalation: Remove to fresh air. Seek immediate medical attention if breathing is difficult.

SECTION VI: - REACTIVITY DATA

Stability: Stable: X Unstable: _____

Incompatibility (Materials to avoid): Strong acids or oxidizers

Hazardous Decomposition Products: Carbon monoxide, phosphorus oxides, carbon dioxide

SECTION VII: - SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: **Large spill:** contain and collect.

Flush to drain with large amounts of water. **Small spill:** Flush to drain with large amounts of water. **Floors will be very slippery until rinsed completely clean.**

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
Protective Gloves: Rubber

Other: N/A
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 96