

# 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:** Blend

**Trade Name and Synonyms:** GI #5002A Boiler Water Treatment

**Chemical Family:** N/A

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

<u>Component</u>	<u>Percentage</u>	<u>CAS NO.</u>
Sodium Hydroxide, 50 %	> 1%	1310-73-2
Morpholine	> 1%	110-91-8

## SECTION III - PHYSICAL DATA

Boiling Point (Fahrenheit): > 212 degrees F      Specific Gravity: 1.070  
Vapor Pressure (mm Hg): Not established      Percent Volatile by Volume: 2.2%  
Vapor Density (Air=1): Not established      Solubility in Water: Complete  
Appearance and Odor: Dark liquid; amine odor

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

Flash Point (Method Used): Not established  
Flammable Limits: Lel: Not established      Uel: Not established  
Extinguishing Media: Water, Carbon dioxide, dry chemicals  
Special Fire Fighting Procedures & Unusual Fire and Explosion Hazards:  
Respiratory equipment may be needed.

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

Threshold Limit Value: Not established                      TXDS: Not established

Effects of Overexposure:

Eyes: Can cause severe irritation or burns.  
Skin: May cause irritation.  
Ingestion: Can cause gastrointestinal irritation or distress.

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: **Do not induce vomiting.** Give 2 oz. vinegar mixed with 2 oz. water. Seek medical attention.

**SECTION VI:** - REACTIVITY DATA

Stability:                      Stable:   X                      Unstable: \_\_\_\_\_  
Incompatibility (Materials to avoid): Strong acids, oxidizing agents.  
Hazardous Decomposition Products: Ammonia, sulfur dioxide

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

Steps to be taken in Case Material is Released or Spilled: **Large spill:** Contain and collect. Treat remainder as small spill. **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: Respirator with organic vapor cartridges may be necessary in confined areas.

Ventilation:

Local exhaust: Recommended	Special: N/A
Mechanical: Fan	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 96