

# 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 #310 Closed System 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 Nitrite	> 1.0	7632-00-0

## SECTION III - PHYSICAL DATA

Boiling Point (Fahrenheit): 195.8 degrees    Specific Gravity: 1.16  
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: Dark blue liquid, odorless

**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, carbon dioxide, dry chemicals

Special Fire Fighting Procedures & Unusual Fire and Explosion Hazards:

Material is an oxidizing agent. It can supply oxygen to stimulate the combustion of organic materials. Because nitrogen oxides may be present, NIOSH approved self-contained respirators may be required.

**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 burns.

Skin: Can cause irritation from prolonged contact.

Ingestion: May irritate mouth, esophagus, stomach, etc. Although small quantities are used in food processing, direct ingestion of sodium nitrite can result in acute toxic effects and may be fatal.

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: Drink 2 fl. oz. of vinegar with equal quantities of water. Induce vomiting. Seek medical attention.

**SECTION VI:** - REACTIVITY DATA

Stability: Stable:   X Unstable: \_\_\_\_\_

Incompatibility (Materials to avoid): Hazardous reaction can occur with acids, ammonium compounds, reducing agents - particularly cyanides, thiocyanates, and thiosulfates, certain combustibles and organics.

Hazardous Decomposition Products: Gaseous nitrogen oxides

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

Steps to be taken in Case Material is Released or Spilled: Contain and collect. Avoid contaminating sewers and waterways. Avoid contact with incompatible materials.

Waste Disposal Method: Reuse if possible. Disposal must be in accordance with applicable disposal regulations. Disposal in an approved chemical wastes landfill or removal by a disposal contractor may be necessary.

## **SECTION VIII:** - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Where required, use a respirator approved by NIOSH for product dusts or nitrogen oxide gases, as applicable. Some exposures may require NIOSH approved self-contained breathing apparatus.

Ventilation:

Local exhaust: Yes

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. Storage in an isolated non-combustible building is advised.

*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