



# Material Safety Data Sheet

**MiraChem<sup>®</sup>** Corrosion Inhibitor

(Formulation No. 2310)

## Section I - General

Manufacturer Name: The Mirachem Corporation  
P.O. Box 14059  
Phoenix, Arizona 85063-4059

Date Prepared: 2/26/96  
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Emergency Phone: 1-(800) 847-3527

## Section II - Hazardous Ingredients/Identity Information

| Hazardous Component (CAS #)     | OSHA PEL | ACGIH TLV | Other Limits | % (Optional) |
|---------------------------------|----------|-----------|--------------|--------------|
| Sodium Metasilicate (6834-92-0) |          |           |              |              |
| Sodium Nitrite (7632-00-0)      |          |           |              |              |
| Alkyl Aryl Polyethoxy Alcohol   |          |           |              |              |

N.E. = None Established

## Section III - Physical/Chemical Characteristics

|                                |  |  |           |
|--------------------------------|--|--|-----------|
| Boiling Point:                 | NA   | Specific Gravity (H <sub>2</sub> O = 1): | NA        |
| Vapor Pressure (mm Hg.) @ 20°C | NA   | pH:                                      | 10.5-11.5 |
| Vapor Density (AIR =1):        | NA   | Evaporation Rate (Butyl Acetate = 1):    | NA        |
| Solubility in Water:           | Complete   | Melting Point:                           | N/A       |
| Appearance and Odor:           | Yellow to white crystalline solid with no appreciable odor |  |           |

N/A = Not Applicable

N.E. = Not Established

## Section IV - Fire and Explosion Hazard

|                                   |                 |  |     |
|-----------------------------------|-----------------|--|-----|
| Flash Point (Method Used):        | Non-combustible | Explosive Limits:                            | N/A |
| Extinguishing Media:              | N/A             |  |     |
| Special Fire Fighting Procedures: | N/A             | Unusual Fire Fighting and Explosion Hazards: | N/A |

## Section V - Reactivity

|   |                    |  |
|---|--------------------|--|
| Stability:                              | Unstable           | Incompatibility (Materials/conditions to Avoid): Concentrated acids. Flammable hydrogen gas may be produced on contact with metals such as aluminum, tin, lead, and zinc when in the presence of moisture. Avoid extreme heat. |
|   | Stable X           |  |
| Hazardous Decomposition or By-products: | Oxides of Nitrogen |  |
| Hazardous Polymerization:               | May Occur          | Will Not Occur X   |

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## Section VI - Health Hazard Data

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Eye Contact: Contact will cause burns.  
Skin Contact: Contact will cause burns.  
Inhalation: Inhalation of dust will cause eye and nose irritation.  
Ingestion: Harmful if swallowed.  
Carcinogenicity: None of the components in this material are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.  
Signs/Symptoms of Overexposure: See above.  
Medical Conditions Generally Aggravated by Exposure: None known.

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## Section VII - Emergency and First Aid Procedures

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Eyes: Flush thoroughly with water for 15 minutes and get medical attention.  
Skin: Flush thoroughly with water for 15 minutes.  
Ingestion: Do not induce vomiting. Give large quantities of water. If available one ounce of vinegar in an equal amount of water. Call a physician immediately.  
Inhalation: Remove from exposure. Treat symptomatically.

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## Section VIII - Precautions for Safe Handling and Use

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In Case of Spill: Sweep up and containerize material. Flush residue away with large quantities of water.  
Waste Disposal: Follow Federal, State and Local regulations regarding health and pollution.  
Handling & Storage Precautions: CAUTION: Contains alkyl aryl polyethoxy alcohol which has been determined to be a severe eye irritant. Also contains sodium nitrite which is an oxidizer. Do not get in eyes, on skin or on clothing. Avoid contact with strong acids and reducing agents. Store in a cool, dry place, away from acids and reducing agents.  
Other Precautions: Keep container tightly closed. Keep out of reach of children.

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## Section IX - Control Measures

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Respiratory Protection: Approved respirator for dust and mist.  
Ventilation: Local exhaust sufficient.  
Protective Clothing: Wear goggles, rubber (PVC or neoprene) gloves, and protective clothing.  
Eye Protection: Wear safety glasses.  
Work/Hygienic Practices: Use good personal hygiene practices, wash hands before eating, drinking, smoking, or using toilet facilities.