

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Flash Rust Inhibitor MB

Description: Alkaline Liquid

Product Code: NTN FRIMB

Suggested Use: Prevention of rust on ferrous parts

Restrictions on Use:

Supplier: NuTech Specialties, Inc.  
9811 South 6150 West  
West Jordan , UT 84081

Telephone: 801-253-1000 (M-F) 8:00-5:00

Fax: 801-280-0307


Emergency Phone: 800-633-8253

## 2. HAZARDS IDENTIFICATION

**Classification:** Skin Corrosion 1A Hazardous to aquatic environment, acute hazard 4 serious eye damage 1 hazardous to aquatic environment, long term hazard 4

GHS Classification:

**GHS Label Elements**

Pictogram: 

Signal Word: Danger

Hazard Statements: H314 – Causes severe skin burns and eye damage.  
H413 – May cause long lasting harmful effects to aquatic life.

Precautionary Statements: P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P306 + P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

Product: Flash Rust Inhibitor MB

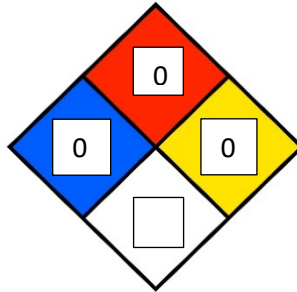
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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P273: Avoid release to the environment.

HMIS Classification:



NFPA Rating:

Health	2
Fire	0
Reactivity	0
Personal Protection	C

Potential Health Effects:

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Sodium Hydroxide	1310-73-2	1%
Sodium Molybdate	10102-40-6	10%

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Synonyms:

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## 4. FIRST AID MEASURES

- If Inhaled: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
- Skin Contact: Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
- Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
- If Ingested: Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

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## 5. FIREFIGHTING MEASURES

- Extinguishing Media: Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide
- Hazardous Combustion Products: Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.

Product: Flash Rust Inhibitor MB

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Special Protective Equipment  
for Firefighters:

In fire conditions: a complex mixture of airborne solids,  
liquids, and gases including Carbon Monoxide, Carbon  
Dioxide, and unidentified organic compounds.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

Safe Handling: Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits Not Likely to be above exposure Limits

Component	CAS Number	Exposure Limit	Basis
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Product: Flash Rust Inhibitor MB

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**General Controls:** Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

## Personal Protective Equipment

**Eye Protection:** Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

**Hand Protection:** Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

**Skin Protection:** Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Orange
Odor:	Odorless
Odor Threshold:	N/A
pH:	13
Melting/Freezing Point:	0° C
Boiling Point:	100° C
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	N/A
Flammability/Explosion Limits:	N/A

Product: Flash Rust Inhibitor MB

# NuTech Specialties Inc.

Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1
Density:	8.34 lb per gal
Solubility in Water:	Soluble
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions and Materials to Avoid:	Strong Oxidizers
Hazardous Decomposition Products:	Sodium Oxides

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Sodium Hydroxide	1310-73-2	Oral Rat	140-340 mg/kg
Sodium Molybdate	10102-40-6	Oral Rat	2733-6556 mg/kg

Potential Health Effects

Inhalation:	Can cause irritation to respiratory tract
Skin:	Corrosive to skin
Eyes:	Corrosive to eyes

Product: Flash Rust Inhibitor MB

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Ingestion: May cause irritation of GI tract

Signs and Symptoms of Exposure: Irritation of skin and eyes, burning or itching

Chronic Effects of Long Term Exposure: None

Carcinogenicity: No

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## 12. ECOLOGICAL INFORMATION

### Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Sodium Hydroxide	1310-73-2	Freshwater Fish	45 mg/L
Sodium Molybdate	10102-40-6	Striped Bass	79 m/L

### Ecological Effects

Persistence and Degradability: Harmful to aquatic life with long lasting effects.

Bioaccumulation Potential: N/A

Mobility in Soil: N/A

Other Adverse Effects: N/A

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## 13. DISPOSAL CONSIDERATIONS

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Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.

Contaminated Packaging: Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

**Not Regulated by DOT**

DOT Information

Proper Shipping Name:

UN Number:

Hazard Class:

Packing Group:

Reportable Quantity (RQ):

Marine Pollutant:

Note:

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## 15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None

SARA 311/312 Hazards: Acute (Immediate) Health Hazard

SARA 313 Components: None

TSCA Inventory: Yes

Product: Flash Rust Inhibitor MB



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## European Union

EC Inventory: Yes

## State Regulations

Utah Clean Air: No

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## 16. OTHER INFORMATION

SDS Version: 1.0

Revision Date: 12/29/2021

Supercedes:

### **Notice to Reader:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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**Validated on:**

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