

**OPTISHIELD® PLUS**  
**MATERIAL SAFETY DATA SHEET**

**1. Product and Distributor:**

Product Name: OPTISHIELD® PLUS Corrosion Inhibitor  
Use of Product: Treatment of select cooling water systems.

Distributor: OPTI TEMP Inc.  
PO Box 5246, Traverse City, MI 49696 (U.S.A.)  
Tel: (231) 946-2931  
Fax: (231) 946-0128

**2. Chemical Characterization:**

This is a proprietary blend which contains the following components:

Sodium Nitrate [CAS# 7631-99-4]	<1%
Sodium Molybdate [CAS# 7631-95-0]	1-2%
Disodium Hydrogen Phosphate [CAS# 7558-79-4]	<2.2%
Trisodium Phosphate [CAS# 7601-54-9]	<2.2%
Triazole [CAS# 136-85-6]	<2.5%
Chloramine T [CAS# 127-65-1]	<1%
Water [CAS# 7732-18-5]	

All ingredients in this product listed on the TSCA inventory.

**3. Hazards Identification:**

The Hazardous Materials Index Rating is as follows: Health=1; Flammability=0; Reactivity=1

**4. First Aid Measures:**

Ingestion: Give milk or water, induce vomiting, and get medical attention.  
Skin: Flush with fresh water, wash with soap and water. Remove contaminated clothes and shoes.  
Eyes: Flush with fresh water for at least 15 minutes. Get medical attention.

**5. Fire-fighting methods:**

Non-Flammable, Flash Point: None.

**6. Accidental release measures:**

Inhalation should not occur during normal operation. However, should it occur, close container and move to well-ventilated area. If irritation persists, get medical attention. Primary Routes of Entry: Skin, eyes, mucous membranes. Small spills may be soaked up using common absorbent material, and using appropriate safety equipment. Large spills should be pumped into suitable containers located in diked areas. Residual material should be cleaned up with water. Comply with all local, state and national regulations.

**7. Handling and Storage:**

Do NOT pressurize container. Keep container closed at all times when not in use. Store in cool area above 60°F. Do not allow fluid to freeze. Use in well-ventilated area.

**8. Exposure Controls and Personal Protection:**

Do not breathe mist or vapor. Wash hands thoroughly after handling product. Protect eyes with safety goggles or glasses with side shields. Material may cause irritation to skin, eyes and mucous membranes.

**9. Physical and Chemical Properties:**

% Volatiles: Nil

Color: Clear to Light Golden-Yellow

Odor: Mild

Specific Gravity: 1.03

Solubility: 100% in water

pH of 100% solution (concentrated) 11 to 12; typical 11.5

**10. Stability and Reactivity:**

Stability: Stable

Polymerization: None

Exposure to Other Chemicals: Keep away from concentrated acids

Reactivity in Water: None

**11. Toxicological Information:**

National Toxicology Program Annual Report Carcinogen Listing: Not known to be a carcinogen, proprietary blend that contains components not listed as possible carcinogens.

**12. Ecological Information:**

Well-diluted product would have no environmental consequences.

**13. Disposal considerations:**

The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should then be sealed and properly labeled with waste designation and landfilled or incinerated according to local, state and national regulations.

**14. Transportation Information:**

U.S. Department of Transportation Hazard Class: "Not Regulated"

Marking: "Keep from Freezing"

**15. Regulatory Information:**

None

**16. Other Information:**

The data provided is correct to the best of our knowledge. We shall not be held liable for any damages resulting from handling, storage, disposal or contact with this product.