



LTS Research Laboratories, Inc.  
Safety Data Sheet  
Sodium Manganese Hexacyanoferrate

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1. Product and Company Identification

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Trade Name: Sodium Manganese Hexacyanoferrate  
Chemical Formula:  $\text{Na}_2\text{MnFe}(\text{CN})_6$   
Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.  
Street: 37 Ramland Road  
City: Orangeburg  
State: New York  
Zip Code: 10962  
Country: USA  
Tel #: 845-293 0587 / 855-lts-chem

24-Hour Emergency Contact: 800-424-9300 (US & Canada)  
+1-703-527-3887 (International)

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2. Hazards Identification

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Signal Word: None  
Hazard Statements: None  
Precautionary Statements: None

HMIS Health Ratings (0-4):

Health: 1  
Flammability: 0  
Physical: 0



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3. Composition

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Chemical Family: Inorganic Compound  
Additional Names: Prussian White

Sodium Manganese Hexacyanoferrate  $\text{Na}_2\text{MnFe}(\text{CN})_6$   
Percentage: 100 wt%  
CAS No: N/A  
EC No: N/A

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4. First Aid Procedures

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General Treatment: Seek medical attention if symptoms persist.  
Special Treatment: None  
Important Symptoms: None

Inhalation: Remove the victim to fresh air. Supply oxygen if breathing is difficult. Seek medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention.

Skin: Wash the affected area with mild soap and water. Remove any contaminated clothing. Seek medical attention.

Eyes: Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.

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## 5. Firefighting Measures

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Flammability:	Non-flammable
Flash Point:	N/A
Autoignition Temperature:	N/A
Extinguishing Media:	Use a suitable extinguishing agent such as carbon dioxide, or alcohol-resistant foam for surrounding material and type of fire.
Hazards arising from the substance:	N/A
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes.

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## 6. Accidental Release Measures

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If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in special protection information. Isolate spill area and provide ventilation. Vacuum up the spill using a high-efficiency particulate absolute (HEPA) air filter and place it in a closed container for disposal. Take care not to raise dust and avoid breathing vapors or gas.
Environmental Precautions:	Isolate runoff to prevent environmental pollution.

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## 7. Handling and Storage

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Handling Conditions:	Avoid contact with skin and eyes. Wash thoroughly after handling.
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in the work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.

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## 8. Exposure Controls and Personal Protection

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Permissible Exposure Limits:	N/A
Threshold Limit Value:	N/A
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber gloves
Eye Protection:	Safety glasses/goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.

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## 9. Physical and Chemical Characteristics

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Color	White
Form:	Powder
Odor:	N/A
Water Solubility:	N/A
Boiling Point:	N/A
Melting Point:	N/A
Density:	N/A
Molecular weight:	N/A

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#### 10. Reactivity

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Stability:	Stable under recommended storage conditions
Reacts With:	Strong oxidizing agents, strong acids
Incompatible Conditions:	N/A
Hazardous Decomposition Products:	Sodium oxides, Iron oxides, Nitrogen oxides (NOx), Carbon oxides, Hydrogen cyanide

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#### 11. Toxicological Information

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Potential Health Effects:	
Eyes:	N/A
Skin:	N/A
Ingestion:	N/A
Inhalation:	N/A
Chronic:	N/A
Routes of Entry:	None
Target Organs:	N/A
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	N/A
Carcinogen:	N/A

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#### 12. Ecological Information

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Ecological data is not available

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#### 13. Disposal Considerations

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Dispose of in accordance with local, state, national, and international regulations.

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#### 14. Transportation Data

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Hazardous:	Not hazardous for transportation
Hazard Class:	N/A
Packing Group:	N/A
UN Number:	N/A
Proper Shipping Name:	N/A

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#### 15. Regulatory Information

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Sec 302 Extremely Hazardous:	No
Sec 304 Reportable Quantities:	N/A
Sec 313 Toxic Chemicals:	No

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#### 16. Other Information

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This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The user's attention is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The mandatory regulations mentioned aim to help the user fulfill his obligations regarding the use of hazardous products.

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