

MATERIAL SAFETY DATA SHEET
NCL of Wisconsin, Inc.
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Emergency Telephone No: 800-424-9300 (Chemtrec)

PRODUCT NAME: FERRIC CHLORIDE, 0.25 g/l (APHA for BOD)
NCL CATALOG NUMBER: F-10
Date of this revision: 09/12/2007

1. CHEMICAL PRODUCT IDENTIFICATION

Trade name: None.
Chemical Formula: Solution in water.
Formula CAS No: Not applicable.
Molecular Weight: Not applicable.

2. COMPOSITION

Component	CAS#	Approx %
Water	7732-18-5	>99.9
Ferric Chloride Hexahydrate	10025-77-1	<0.1

3. HAZARD IDENTIFICATION

VAPOR IRRITATING. MAY CAUSE DAMAGE TO RESPIRATORY SYSTEM.
May cause skin and eye irritation.
Do not get in eyes, on skin or on clothing. Minimal contact, as with all chemicals, is a good policy to follow. Remove and wash contaminated clothing before re-use.
Routes of entry: Ingestion, inhalation.
Carcinogenicity: This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Call a physician.
Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped.
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin: Immediately flush skin with plenty of water. Get medical attention if irritation develops.

5. FIRE FIGHTING MEASURES:

Flash Point: Not determined.
Flammable Limits (LEL): Not Determined.
Flammable Limits (UEL): Not Determined.
Fire: Wear self-contained breathing apparatus and protective clothing.
Fire Extinguishing Media: Use any available means to extinguish surrounding fire.
Explosion Hazards: Thermal decomposition produces toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Evacuate area of non-essential personnel. Eliminate ignition sources.
Neutralize with soda ash (sodium carbonate). Scoop up material and transfer to a plastic container and send to a RCRA-approved waste facility.
Ensure compliance with Federal, State, and local regulations.

7. HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Avoid contact with eyes and skin.

8. EXPOSURE CONTROLS

Airborne Exposure Limits: None established for product.
Ventilation System: Local ventilation is usually sufficient.
Skin Protection: Rubber gloves.
Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material.
Maintain eye-wash fountain and quick-drench facilities in work area.

9. PHYSICAL CHEMICAL PROPERTIES

Appearance: Clear light-brown solution.
Odor: Slightly acidic.
Solubility: Infinitely soluble in water.
Boiling Point: Not Determined.
Melting Point: Not Determined.
Specific Gravity: 1.0
Vapor Density (Air=1): Not Determined.
Vapor Pressure (mm Hg): Not Determined.
Evaporation Rate: Not Determined.

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: When heated to decomposition, emits toxic fumes of hydrogen chloride.
Hazardous Polymerization: This substance does not polymerize.
Incompatibilities: Metals, allyl chloride, sodium, and potassium. Metals will corrode in ferric chloride solutions, especially aluminum and brass.

11. TOXICOLOGICAL INFORMATION:

No toxicity data for product.

12. ECOLOGICAL INFORMATION

None found.

13. DISPOSAL CONSIDERATIONS

EPA Waste Number: None.
Neutralize to a pH of 6-9.
Ensure compliance with Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.
DOT Number: None.

15. REGULATORY INFORMATION

The CAS numbers of all components of this solution are listed on the TSCA Inventory.

16. OTHER INFORMATION

NFPA Hazard Ratings:

Health:	0
Flammability:	0
Reactivity:	0
Special Hazards:	None known.

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, NCL of Wisconsin, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, NCL of Wisconsin, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

END OF MATERIAL SAFETY DATA SHEET