

MATERIAL SAFETY DATA SHEET
NCL of Wisconsin, Inc.
P.O. Box 8
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Emergency Telephone No: 800-424-9300 (Chemtrec)

PRODUCT NAME: NITRATE STANDARD, 1 ppm as N
NCL CATALOG NUMBER: N-26B
Date of this revision: 10/16/2008

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
Potassium Nitrate	7757-79-1	<0.1

3. HAZARD IDENTIFICATION

Minimal contact, as with all chemicals, is a good policy to follow. Routes of entry:
Ingestion.
Carcinogenicity: This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

4. FIRST AID MEASURES

Ingestion: If swallowed, give water to dilute. 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 Applicable.
Flammable Limits (LEL): Not Applicable.
Flammable Limits (UEL): Not Applicable.
Fire: Wear self-contained breathing apparatus and protective clothing.
Fire Extinguishing Media: Use any suitable means for surrounding materials.
Explosion Hazards: Thermal decomposition produces toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Flush to sewer with water. 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 breathing vapors. Avoid contact with eyes and skin.

8. EXPOSURE CONTROLS

Airborne Exposure Limits: None established for product.
Ventilation System: None normally required.
Skin Protection: None normally required.
Eye Protection: Chemical safety goggles. 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, colorless liquid.
Odor: None.
Solubility: Infinitely soluble in water.
Boiling Point: Essentially the same as water.
Melting Point: Essentially the same as water.
Specific Gravity: 1.0
Vapor Density (Air=1): Essentially the same as water.
Vapor Pressure (mm Hg): Essentially the same as water.
Evaporation Rate: Essentially the same as water.

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: When heated to decomposition, can emit toxic gases.
Hazardous Polymerization: This substance does not polymerize.
Incompatibilities: Concentrated acids, heavy metals, phosphites, organic compounds.

11. TOXICOLOGICAL INFORMATION

No toxicity data for product.
For 100% Potassium Nitrate (product contains <0.1%):
 orl-rbt LD50: 2680 mg/kg

12. ECOLOGICAL INFORMATION

None found.

13. DISPOSAL CONSIDERATIONS

EPA Waste Number: None.
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.

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END OF MATERIAL SAFETY DATA SHEET