
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

MATERIAL SAFETY DATA SHEET

NCL of Wisconsin, Inc.

P.O. Box 8

Biramwood, WI 54414

Emergency Telephone No: 800-424-9300 (Chemtrec)

PRODUCT NAME: 1 mg/L NO₃⁻ - N STANDARD

Nitrogen concentration due to nitrate

CATALOG NUMBER: YSI-3885

Date of this revision: 08/01/2011

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	>98
Potassium Nitrate	7757-79-1	<1
Magnesium Sulfate Heptahydrate	10034-99-8	<1
Gentamycin Sulfate	1405-41-0	<0.01

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, wash out mouth with water.

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: No special precautions required.
Fire Extinguishing Media: Use any suitable means for surrounding materials.
Explosion Hazards: Thermal decomposition may produce 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 contact with eyes.

8. EXPOSURE CONTROLS

Airborne Exposure Limits: None established for product.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this material. However, if conditions of use create discomfort to a worker, a local exhaust should be considered.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to mist exists, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection: Rubber gloves and lab coat.

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, 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 <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.