SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: 1 mg/L N03-N Standard ( Nitrogen concentration due to ammonium)
Catalog Number: YSI 3885
Product Description: Laboratory chemical
Supplier: YSI, a Xylem brand
Telephone: 937-767-7241
Emergency: CHEMTREC
US/Can: 800-424-9300
International: 001 703-572-3997

Manufacturer: NCL of Wisconsin, Inc.
Telephone: 1-800-648-7836
Email: nclabs@nclabs.com
PO Box 8, Birnamwood, WI 54414
Fax: 715-449-2454
Emergency Contact: 1-800-424-9300 (Chemtrec)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not classified
Signal Word: Not applicable
Hazard Statements: Not applicable
Pictograms: None
Precautionary Statements: Not applicable
Other Hazards Not Contributing to the Classification: None under normal conditions

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity: Not applicable
Common Name: Not applicable

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Name</th>
<th>CAS #</th>
<th>Approximate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt;98</td>
<td></td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>7757-79-1</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>Magnesium Sulfate Heptahydrate</td>
<td>10034-99-8</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>Gentamicin Sulfate</td>
<td>1405-41-0</td>
<td>&lt;0.01</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General First Aid Measures: Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. Allow victim to rest.

In Case of Skin Contact: Remove contaminated clothing and wash exposed skin with mild soap and water. Rinse with warm water.

In Case of Eye Contact: Immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops.

If Swallowed: Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

Most Important Symptoms/Effects Acute and Delayed

Not expected to present a significant hazard under normal use

Indication of Immediate Medical Attention and Special Treatment Needed

No additional information available

SECTION 5: FIRE-FIGHTING MEASURES
Extinguishing Media


Unsuitable Extinguishing Media: Do not use high pressure water stream.

Special Hazards Arising from the Chemical: No additional information available.

Special Protective Actions for Fire-Fighters: Wear self-contained breathing apparatus and protective clothing. Keep exposed containers cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment (see section 8). Evacuate area of non-essential personnel. Eliminate ignition sources.

Environmental Precautions: Prevent entry to surface and ground waters.

Methods and Materials for Containment and Cleaning Up: Clean up spills with inert solids. Collect spillage. Store away from other materials. Ensure compliance with federal, state, and local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes and skin. Avoid breathing vapors. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Conditions for Safe Storage Including any Incompatibilities: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Store away from strong acids, heavy metals, phosphites, and organic compounds.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Not applicable.

Appropriate Engineering Controls: Provide adequate general ventilation. Maintain eye-wash fountain and quick-drench facilities in work area.

Individual Protection Measures: Avoid all unnecessary exposure.

Eye/Face 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.

Skin Protection: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Respiratory Protection: Wear appropriate mask.

Other Information: Do not eat, drink, or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear, Colorless

Odor: Odorless

Odor Threshold: Not determined

pH: Not determined

Melting Point/Freezing Point: Not determined

Initial Boiling Point and Boiling Range: Not determined

Flash Point: Not determined

Evaporation Rate: Not determined

Flammability (Solid, Gas): Not determined

Upper/Lower Flammability/Explosive Limits: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Relative Density: 1.00

Solubility: Soluble in water
Partition Coefficient: n-octanol/water Not determined
Auto-Ignition Temperature Not determined
Decomposition Temperature Not determined
Viscosity Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity No data available
Chemical Stability Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions No data available
Conditions to Avoid Extremely high or low temperatures.
Incompatible Materials Strong oxidizers and strong acids
Hazardous Decomposition Products When heated to decomposition, can emit toxic gases and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Potassium Nitrate (7757-79-1)</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>3750 mg/kg</td>
</tr>
<tr>
<td><strong>Gentamicin Sulfate (1405-41-0)</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>5000 mg/kg</td>
</tr>
<tr>
<td><strong>Water (7732-18-5)</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt;90000 mg/kg</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation Not classified
Serious Eye Damage/Irritation Not classified
Respiratory or Skin Sensitization Not classified
Germ Cell Mutagenicity Not classified
Carcinogenicity Potassium Nitrate: IARC: Group 2A – probably carcinogenic to humans
Reproductive Toxicity Not classified
Specific Target Organ Toxicity (Single Exposure) Not classified
Specific Target Organ Toxicity (Repeated Exposure) Not classified
Aspiration Hazard Not classified
Potential Adverse Human Health Effects and Symptoms No data available
Other Information Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not applicable
Persistence and Degradability Not applicable
Bioaccumulative Potential Not applicable
Mobility in Soil Not applicable
Other Adverse Effects Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

Methods of Disposal
Disposal Recommendations Dispose of contents/containers in accordance with federal, state, and local regulations
Other Information Avoid release to the surrounding environment

SECTION 14: TRANSPORT INFORMATION

UN Number Not applicable
UN Shipping Name: Not applicable
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Not applicable
Transport in Bulk: Not applicable
Other Precautions: Not applicable

SECTION 15: REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Substance</th>
<th>TSCA Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Nitrate (7757-79-1)</td>
<td>Listed on the United States TSCA inventory</td>
</tr>
<tr>
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<td>Water (7732-18-5)</td>
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</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

Revision Date: 12/10/2014

NFPA Hazards
Health Hazard: 0: Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
Fire Hazard: 0: Materials that will not burn.
Instability/Reactivity: 0: Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health: 0: No significant risk to health.
Flammability: 0: Materials that will not burn.
Physical Hazard: 0: Materials that are normally stable.
Personal Protection: A

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 judgment in determining its appropriateness for their conditions of use. 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 SAFETY DATA SHEET