

# Material Safety Data Sheet

NCL of Wisconsin, Inc.  
PO Box 8  
Biramwood, WI 54414  
Emergency Telephone No: 800-424-9300 (Chemtrec)

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## Product Identification

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Product Name: YSI 3823 Buffer Solution, PH = 10.00  
Synonyms: None. Molecular Weight: NA  
Chemical Name: NA Chemical Family: NA  
Product CAS#: NA Formula: NA

## Ingredients

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1. Disodium EDTA dehydrate CAS# 6381-92-6  
Percent: 1 SARA: Not Listed.  
TLV: Not established. PEL: Not Established  
Hazard: Slight. May cause irritation. Moderately toxic by ingestion.
2. Potassium Carbonate CAS# 584-08-7  
Percent: <1 SARA: Not listed  
TLV: Not established. PEL: Not established  
Hazard: Slight. Causes irritation.
3. Potassium Borate CAS# 12228-88-5.  
Percent: <1 SARA: Not listed.  
TLV: Not established. PEL: Not established.  
Hazard: Unknown
4. Potassium Hydroxide CAS# 1310-58-3  
Percent: <1 SARA: Listed.  
TLV: 2 mg/m<sup>3</sup> PEL: 2 mg/m<sup>3</sup>  
Hazard: Moderate. May cause burns.
5. Blue Food Coloring CAS# Not listed.  
Percent: <0.02 SARA: Not listed.  
TLV: Not established. PEL: Not established.  
Hazard: None known.
6. Deionized water CAS# 7732-18-5  
Percent: >98 SARA: Not listed  
TLV: Not applicable. PEL: Not applicable.  
Hazard: None.

## Precautionary Measures

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Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Minimal contact, as with all chemicals, is a good policy to follow.

## Emergency/First Aid

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In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. If swallowed, give two glasses of water or milk to dilute. Call a physician.

DOT Hazard Class: Not Regulated

Physical Data

Section One

Appearance: Clear blue solution.  
Odor: Odorless  
Solubility: Infinitely soluble in water.  
Boiling Point: 100° C (212° F)  
Melting Point: 0° C (32° F)  
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.

Fire and Explosion  
Information

Section Two

Fire: Not considered to be a fire hazard.  
Explosion: Not considered to be and explosion hazard  
Fire Extinguishing Media: Use any suitable means for extinguishing surrounding fire.

Reactivity Data

Section Three

Stability: Stable under ordinary conditions of use and storage  
Hazardous Decomposition Products: None known.  
Hazardous Polymerization: This substance does not polymerize.  
Incompatibilities: None known.

Leak/Spill/Disposal  
Information

Section Four

Flush to sewer with large amounts of water.  
Ensure compliance with Federal, State, and local regulations  
Reportable Quantity: 5000 lbs.

Health Hazard Information

Section Five

A. Exposure/Health Effects

Inhalation: May cause sore throat and irritation to mucous membranes.  
Ingestion: If sufficient amounts are ingested, systemic poisoning may occur.  
Skin Contact: Prolonged contact may cause irritation.  
Eye Contact: May cause irritation.  
Chronic Exposure: No information found for any ingredient.  
Cancer information: No information found for any ingredient  
Aggravation of Pre-existing Conditions: No information found

B. First Aid

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.  
Ingestion: If swallowed, give two glasses of water to dilute. Give medical attention immediately.  
Skin Exposure: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Get medical attention if irritation develops or persists.  
Eye Exposure: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attentions immediately.

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, apron or overalls.

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 areas.

Keep in a tightly closed container. Protect container from physical damage.

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END OF MATERIAL SAFETY DATA SHEET