

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: Buffer Solution pH 4.00
NCL CATALOG NUMBER: B-44
Date of this revision: 10/06/2008

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	>98.8
Potassium Hydrogen Phthalate	877-24-7	1.1
Red food coloring	not found	<0.001

3. HAZARD IDENTIFICATION

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, or skin contact.
Carcinogenicity: This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

4. FIRST AID MEASURES

Ingestion: Give two glasses of 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 if irritation develops.
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 Extinguishing Media: Use any suitable means for surrounding materials.
Explosion Hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

Evacuate area of non-essential personnel. Eliminate ignition sources.
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

Store at room temperature. Avoid contact with eyes. Do not breathe mist.

8. EXPOSURE CONTROLS

Airborne Exposure Limits: None established for product.
Ventilation System: None normally required.
Personal Respirators (NIOSH Approved): None normally required.
Skin Protection: Rubber gloves may be worn to prevent skin contact.
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, pink to red liquid.
Odor: None.
Solubility: Infinitely soluble in water.
Boiling Point: Essentially the same as water.
Melting Point: Essentially the same as water.
Specific Gravity: Essentially the same as water.
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: None known.
Hazardous Polymerization: This substance does not polymerize.
Incompatibilities: None found.

11. TOXICOLOGICAL INFORMATION

No toxicity data for product.

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