

Safety Data Sheet
According to the (US) Hazard Communication Standard (29 CFR 1910.1200)**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

Product Name pH 7.00 Buffer with 0.1 M NaCl
NCL Catalog Number B-47A
Product Description Laboratory chemical, for inner-body check on Thermo Orion Ammonia probe.
Supplier
NCL of Wisconsin, Inc. **Telephone:** 1-800-648-7836 **Fax:** 715-449-2454
P.O. Box 8 **Emergency Contact:** 1-800-424-9300 (Chemtrec)
Biramwood, WI 54414 **Email:** nclabs@nclabs.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification Not classified
Signal Word Not applicable
Pictograms None
Hazard Statements Not applicable
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

Mixture

| Name | CAS # | Approximate % |
|-------------------------------|-----------|---------------|
| Water | 7732-18-5 | >97 |
| Potassium Phosphate Monobasic | 7778-77-0 | <1 |
| Sodium Hydroxide | 1310-73-2 | <1 |
| Sodium Chloride | 7647-14-5 | <1 |

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

Suitable Extinguishing Media Foam. Dry powder. Sand. Carbon dioxide. Water spray.

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 local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling Avoid contact with eyes and skin. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for Safe Storage Including any Incompatibilities Store at room temperature.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Sodium Hydroxide (1310-73-2) | | |
|------------------------------|-------------------------------------|---------------------|
| USA ACGIH | ACGIH Ceiling (mg/m ³) | 2 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 2 mg/m ³ |

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
Odor Odorless
Odor Threshold Not determined
pH 6.87
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 | No data available |
| Incompatible Materials | None found |
| Hazardous Decomposition Products | None known |

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Not classified

| | |
|---|--------------|
| Potassium Phosphate Monobasic (778-77-0) | |
| LD50 dermal rabbit | 4640 mg/kg |
| Sodium Hydroxide (1310-73-2) | |
| LD50 dermal rabbit | 1350 mg/kg |
| Sodium Chloride (7647-14-5) | |
| LD50 oral rat | 3000 mg/kg |
| LD50 dermal rat | 10000 mg/kg |
| Water (7732-18-5) | |
| LD50 oral rat | ≥90000 mg/kg |

| | |
|--|-------------------|
| Skin Corrosion/Irritation | Not classified |
| Serious Eye Damage/Irritation | Not classified |
| Respiratory or Skin Sensitization | Not classified |
| Germ Cell Mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| 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 local, state and federal 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

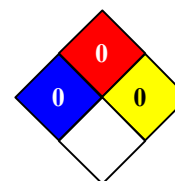
| |
|---|
| Sodium Chloride (7647-14-5) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Potassium Phosphate Monobasic (7778-77-0) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Sodium Hydroxide (1310-73-2) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Water (7732-18-5) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

SECTION 16: OTHER INFORMATION

Revision Date: 03/02/2015

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.
Reactivity/Instability 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

| B-47A | |
|---------------------|---|
| Health | 0 |
| Flammability | 0 |
| Physical Hazard | 0 |
| Personal Protection | A |

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END OF SAFETY DATA SHEET