



Material Safety Data Sheet
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Section 1 - Chemical Product and Company Identification

MSDS Name:

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Catalog Numbers:

LC12565

Synonyms:**Company Identification:**

LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
7447-40-7	Potassium chloride	<1
1310-73-2	Sodium hydroxide	<1
89-83-8	Thymol	<1

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Colorless

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: Noneknown.

Potential Health Effects**Eye:**

May cause eye irritation.

Skin:

May cause redness, pain, and irritation.



Material Safety Data Sheet

Buffer ph 13.0

Ingestion:

Ingestion may cause severe abdominal pain, vomiting, irritation and burn to gastrointestinal tract. Large doses cause nausea, vomiting, abdominal pain, purging and weakness. Clotting factor changes may occur. Acute potassium intoxication unlikely - pylorospasm and vomiting rapidly eliminate the salt. Prior renal impairment can result in slow, weak pulse, electrocardiographic changes, arrhythmias, heart block, hypotension, and cardiac arrest. Respiratory paralysis may occur.

Inhalation:

Inhalation may cause sore throat, coughing, irritation to respiratory tract.

Chronic:

May cause dermatitis and conjunctivitis. Prolonged inhalation may cause bronchial irritation, coughing, and bronchial pneumonia.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Get medical aid. Remove contaminated clothing and shoes.

Ingestion:

Do NOT induce vomiting. Get medical aid. Give conscious victim large quantities of water to dilute.

Inhalation:

Give artificial respiration if necessary. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust. May produce toxic vapors of sodium oxide.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7732-18-5: Not published.

CAS# 7447-40-7: Not published.

CAS# 1310-73-2: Not published.

CAS# 89-83-8: Not published.

Explosion Limits:

Lower: Upper:



Material Safety Data Sheet

Buffer ph13.0

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with absorbent (vermiculite, sand, full earth) and place in plastic bags for later disposal.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

Storage:

Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Potassium chloride	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Sodium hydroxide	None of the components are on this list.	None of the components are on this list.	2 mg/m ³ TWA;
Thymol	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

OSHA Vacated PELs

Personal Protective Equipment

Eyes:

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear neoprene, nitrile rubber, or PVC gloves.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Not required for normal use. Firefighting - Any self-contained breathing apparatus with full facepiece operated in a pressure demand mode.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid



Material Safety Data Sheet

Buffer ph 13.0

Color: Colorless

Odor: Odorless

pH: 13

Vapor Pressure: No information found.

Vapor Density: No information found.

Evaporation Rate: No information found.

Viscosity: No information found.

Boiling Point: > 100°C (> 212.00°F)

Freezing/Melting Point: < 0°C (< 32.00°F)

Decomposition Temperature: No information found.

Solubility in water: Soluble.

Specific Gravity/Density: 1.0

Molecular Formula: No information found.

Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Acids.

Hazardous Decomposition Products

Hydrogen chloride, oxides of carbon, sodium oxide, potassium oxide (toxic).

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 7447-40-7: TS8050000.

CAS# 1310-73-2: WB4900000.

CAS# 89-83-8: XP2275000.

LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 7447-40-7:

Oral, mouse: LD50 = 1500 mg/kg

Oral, rat: LD50 = 2600 mg/kg.

CAS# 1310-73-2:

No information found. CAS# 89-83-8:

Oral, mouse: LD50 = 640 mg/kg

Oral, rat: LD50 = 980 mg/kg.



Material Safety Data Sheet

Buffer ph 13.0

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 7447-40-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 1310-73-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 89-83-8: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Alkaline buffer solutions are corrosive to eye, skin, mucous membranes. Potassium chloride-- toxic eye, mucous membrane irritant. Poisoning affects the blood and heart; persons with renal impairment may be at increased risk.

Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS#7732-18-5 is listed on the TSCA Inventory.

CAS#7447-40-7 is listed on the TSCA Inventory.

CAS#1310-73-2 is listed on the TSCA Inventory.

CAS#89-83-8 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)

CAS#1310-73-2: final RQ = 1000 pounds (454 kg)

CERCLA/SARA Section 313

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.



Material Safety Data Sheet

Buffer ph 13.0

US State

State Right to Know

Sodium hydroxide can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.
CAS# 7447-40-7 is listed on Canada's DSL List.
CAS# 1310-73-2 is listed on Canada's DSL List.
CAS# 89-83-8 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.
CAS# 7447-40-7 is not listed on Canada's Ingredient Disclosure List.
CAS# 1310-73-2 is listed on Canada's Ingredient Disclosure List.
CAS# 89-83-8 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: August 15, 1998

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