



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
COLUMBUS, WISCONSIN 53925-0008
(920) 623-2140
FAX (920) 623-2577

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Phosphate Buffer, pH 7.20 APHA

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Road

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

06-09-2005

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Rows include Potassium Phosphate, Sodium Hydroxide*, and Thimerosal.

*Subject to SARA Section 313 Reporting Requirements.

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value, Property, Value. Rows include Boiling Point, Vapor Pressure, Vapor Density, Specific Gravity, Melting Point, and Evaporation Rate.

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless liquid.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Values: Nonflammable, Not Applicable, Not Applicable.

Extinguishing Media

Noncombustible. Use any means suitable for extinguishing surrounding fire.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Not Available
	Stable	X		

Incompatibility Materials to Avoid

Unknown to Columbus Chemical Industries, Inc.

Hazardous Decomposition or Byproducts

Sodium oxide, Carbon oxides, Sulfur oxides, Mercury oxides, Potassium oxides and Phosphorus oxides.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not Available
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

	Yes		Yes	Yes
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Health Hazards (Acute and Chronic)

SKIN: May cause irritation and may be harmful if absorbed through the skin. EYE: Causes eye irritation.

INHALATION: May be harmful if inhaled. Material may be irritating to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Not Listed	Not Listed	Not Listed
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Signs and Symptoms of Exposure.

Irritation, especially to mucous membranes of eyes and upper respiratory tract.

Medical Conditions Generally Aggravated by Exposure

Unknown to Columbus Chemical Industries, Inc.

Emergency and First Aid Procedures

INGESTION: If swallowed, wash out mouth with water if person is conscious.

EYES: In case of contact, immediately flush with large amounts of water for at least 15 minutes. INHALATION: If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. SKIN: Immediately wash skin with soap and large amounts of water.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate area. Absorb with sand or other noncombustible absorbent and place in a suitable container. Flush spill area with water.

Waste Disposal Method

Dispose of according all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid storage below 0 °C (32 °F) and above 50 °C (122 °F).

Other Precautions

Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures**Respiratory Protection (Specify Type)**

NIOSH/MSHA-approved respirator with dust/vapor cartridge.

Ventilation**Local Exhaust**

Recommended.

Special

Eye wash nearby.

Mechanical (General)

Required.

Other

Safety shower nearby.

Protective Gloves

Chemical resistant gloves.

Eye Protection

Chemical Safety goggles.

Other Protective Clothing or Equipment

Rubber boots, if needed, and clean body covering clothing.

Work /Hygienic Practices

Contact lenses should not be worn when working with this material. Maintain eye wash

fountain and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapor.

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