



**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)

**Buffer, pH 7.00 Solution**

**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

12-05-2005

Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Potassium Phosphate Monobasic	7778-77-0	Not Available	Not Available	Not Available	<1%
Sodium Phosphate Dibasic	7558-79-4	Not Available	Not Available	Not Available	<1%

**Section III - Physical/Chemical Characteristics**

Boiling Point	approximately 100 °C (212 °F)	Specific Gravity (H <sub>2</sub> O = 1)	1.02
Vapor Pressure (mm Hg)	Not Available	Melting Point	approximately 0 °C (32 °F)
Vapor Density (AIR = 1)	Not Available	Evaporation Rate (Butyl Acetate = 1)	Not Available

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless liquid.

**Section IV Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
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	N/A
	Stable	X		

**Incompatibility Materials to Avoid**

Unknown to Columbus Chemical Industries, Inc.

**Hazardous Decomposition or Byproducts**

Unknown.

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		N/A
	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, if necessary

**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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