



COLUMBUS CHEMICAL INDUSTRIES INC.

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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)

Sodium Phosphate Monobasic Monohydrate

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

10-06-2004

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)
Sodium Phosphate Monobasic*	10049-21-5	N/A	N/A	N/A	>95%

SYNONYMS: Monosodium Phosphate Monohydrate; Phosphoric Acid, Sodium Salt monohydrate;
 Sodium Dihydrogen Phosphate Monohydrate.

Section III - Physical/Chemical Characteristics

Boiling Point	204 °C (399 °F)	Specific Gravity (H ₂ O = 1)	2.04
Decomposes.		Melting Point	
Vapor Pressure (mm Hg)	N/A	Loss of water.	100 °C (212 °F)
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Very soluble in water. 59.9 g per 100 cc water at 0 °C.

Appearance and Odor

Colorless or white, granular powder, odorless.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not flammable.		N/A	N/A

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

Absorbs moisture. Strong acids, strong oxidizing agents.

Hazardous Decomposition or Byproducts

Unknown.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		N/A
	Will Not Occur		

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

	Yes	Yes	Yes
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Health Hazards (Acute and Chronic)

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

INHALATION: Harmful if inhaled. Material is irritating to the mucous membranes and upper respiratory

tract. INGESTION: 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. Itching, redness, swelling of exposed tissues.

Medical Conditions Generally Aggravated by Exposure

Unknown to CCI.

Emergency and First Aid Procedures

INGESTION: If swallowed, wash out mouth with water if person is conscious. EYES: In 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. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and rubber gloves. Sweep up and place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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. Hygroscopic material; protect from moisture.

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/mist cartridge.

Ventilation**Local Exhaust**

Recommended.

Special

Eyewash nearby.

Mechanical (General)

Recommended.

Other

Safety shower nearby.

Protective Gloves

Chemical resistant gloves.

Eye Protection

Chemical Safety goggles.

Other Protective Clothing or Equipment

Rubber boots and clean body covering clothing.

Work /Hygienic Practices

Contact lenses should not be worn when working with this material. Do not breathe dust. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Wash thoroughly after handling. Avoid raising dust.

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