



COLUMBUS CHEMICAL INDUSTRIES INC.

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

Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

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

IDENTITY (as Used on Label and List)

Phosphate Standard 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

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

(920) 623-2140

Date Prepared

07-05-2007

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). Row 1: Potassium Phosphate, 7778-77-0, Not Available, Not Available, Not Available, <2%

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value 1, Property, Value 2. Rows: Boiling Point (Not Available, Specific Gravity (H2O = 1) 1.00), Vapor Pressure (mm Hg) (Not Available, Melting Point Not Available), Vapor Density (AIR = 1) (Not Available, Evaporation Rate (Butyl Acetate = 1) Not Available)

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless solution.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: Nonflammable., Not Applicable, Not Applicable

Extinguishing Media

Use extinguishing media appropriate for 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	Imcompatibles
	Stable	X		

Incompatibility Materials to Avoid

Unknown

Hazardous Decomposition or Byproducts

Unknown.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not Applicable
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

SKIN: May cause irritation 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

Signs and Symptoms of Exposure.

EYES: tearing, redness, pain, swelling. SKIN: Burns, redness, swelling, itching. INGESTION: Nausea, vomiting, diarrhea, bleeding, stomach pain. INHALATION: Shortness of breath, sneezing, choking, coughing.

Medical Conditions Generally Aggravated by Exposure

Unknown to Columbus Chemical Industries, Inc.

Emergency and First Aid Procedures SKIN: Remove contaminated clothing. Wash skin with soap and water. EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. INGESTION: Induce vomiting by giving a tablespoon of salt in warm water. Get medical attention immediately.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled Wear safety goggles, boots, appropriate gloves. Absorb with sand or other noncombustible absorbent, sweep up and place in a suitable container for disposal. Flush spill area with water.

Waste Disposal Method Dispose in accordance with 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 VIII Control Measures

Respiratory Protection (Specify Type) Not required

Ventilation	Local Exhaust	Recommended	Special	Eye wash nearby.
	Mechanical (General)	Acceptable	Other	Safety shower nearby.

Protective Gloves Rubber gloves **Eye Protection** Safety goggles

Other Protective Clothing or Equipment Lab coat or apron.

Work /Hygienic Practices Wash thoroughly after handling. Avoid contact with eyes, skin and clothing.