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CHEMTREC Emergency Response Telephone Number: (800)424-9300

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

Section 1 - Product Identification

An aqueous solution of phosphate salts.

Section II - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
KH_2PO_4	7778-77-0	-----	-----		0.41% w/v
Na_2HPO_4	7558-79-4	-----	-----		0.56% w/v

Section III - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin and eyes.

Safety Ratings

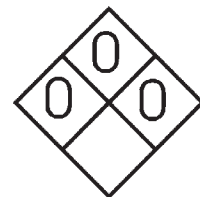
Health: None Flammability: None Reactivity: None Contact: None

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

Health = 0 Flammability = 0 Reactivity = 0



Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other inorganic salt solution.

Inhalation: May be irritating

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem

Eye contact: Not normally a problem

Chronic Exposure: Not normally a problem

Aggravation of preexisting conditions: Not normally a problem

Section IV - First Aid Measures

Inhalation: Unlikely to be a problem. Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: If the victim is conscious, induce vomiting and get medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.

Section V - Fire Fighting Measures

Flash point: Not applicable

Flammable Limits: Not applicable

Fire: Not normally a fire Hazard,

Explosion: Not Normally an explosion hazards.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive oxides.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section II

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but recommended as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: 100°C

Vapor pressure (mm Hg): 18 @ 20°C

Vapor Density (air = 1): 0.6

Appearance and Odor: A clear, colorless and odorless liquid.

Density: About 1.0 g/ml

Evaporation Rate (water = 1): 1

Solubility: Infinitely miscible with water

Section X - Stability and Reactivity

Stability: Freezes at low temperature.

Hazardous Decomposition Products: Nothing unusual.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Excessive cold/heat and light.

Section XI - Toxicological Information

None relating to normal exposure.

Cancer lists

Ingredient	Known Carcinogenicity?	Anticipated?	IARC Category
KH ₂ PO ₄	No	No	None
Na ₂ HPO ₄			

Section XII - Ecological Information

Environmental Fate: Biodegradable

Environmental Toxicity: None

Section XIII - Disposal

Usually not restricted but local governments may restrict the amounts of salts that may be flushed down drain. Insure compliance with all government regulations.

Section XIV - Transportation information

Not Regulated

Section XV - Regulatory Information**Chemical Inventory Status**

Ingredient	TSCA	EC
KH ₂ PO ₄	Yes	Yes
Na ₂ HPO ₄	Yes	Yes

Federal, State and International Regulations

Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
KH ₂ PO ₄	No	No	No	No	No	No
Na ₂ HPO ₄	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: No, Chronic: No, Fire: No

Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Revision Date: Mar. 24, 2006