



Medical chemical Corp.  
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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	%
$\text{KH}_2\text{PO}_4$	7778-77-0	-----	-----		0.5% w/v
$\text{Na}_2\text{HPO}_4$	7558-79-4	-----	-----		0.5% w/v

### Section III - Hazards Identification

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

#### Safety Ratings

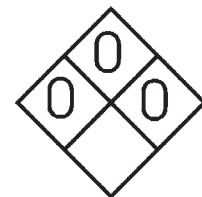
Health: None      Flammability: None      Reactivity: None      Contact: None

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.

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## 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.

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## Section VI - Accidental Release Measures

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

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## Section VII - Handling and Storage

Store in a closed container, protected from freezing.

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## 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.

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## 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

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## 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.

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## Section XI - Toxicological Information

None relating to normal exposure.

Cancer lists

Ingredient	Known Carcinogenicity?	Anticipated?	IARC Category
KH <sub>2</sub> PO <sub>4</sub>	No	No	None
Na <sub>2</sub> HPO <sub>4</sub>			

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**Section XII - Ecological Information**

*Environmental Fate:* Biodegradable

*Environmental Toxicity:* None

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**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.

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**Section XIV - Transportation information**

Not Regulated

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

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Ingredient	TSCA	EC
KH <sub>2</sub> PO <sub>4</sub>	Yes	Yes
Na <sub>2</sub> HPO <sub>4</sub>	Yes	Yes

**Federal, State and International Regulations**

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

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**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