

Medical Chemical Corp.  
19430 Van Ness Ave.  
Torrance, CA 90501

Customer Service: Phone (310)787-6800, (800)424-9394  
FAX (310)787-4464

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 I - Product Identification

An aqueous solution of phosphate salts.

### Section III - Hazards Identification

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

#### Safety Ratings

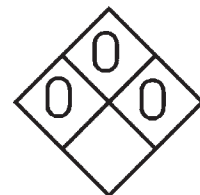
Health: None Flammability: None Reactivity: None Contact: None

Recommended safety equipment: Not applicable

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 II - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
$\text{KH}_2\text{PO}_4$	7778-77-0	-----	-----		0.69% w/v
$\text{Na}_2\text{HPO}_4$	7558-79-4	-----	-----		0.26% w/v

### Section IV - First Aid Measures

Inhalation: Unlikely to be a problem.

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 dispose.

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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 III

*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.

*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

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

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## Section XII - Ecological Information

*Environmental Fate:* Biodegradable

*Environmental Toxicity:* None

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## Section XIII - Disposal Considerations

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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<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>
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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<u>Ingredient</u>	<u>SARA 302</u>		<u>SARA 313</u>		<u>RCRA</u>	<u>TSCA</u>	<u>Ca. Prop 65</u>
	<u>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Category</u>	<u>261.33</u>	<u>8(D)</u>	
KH <sub>2</sub> PO <sub>4</sub>	No	No	No	No	No	No	No
Na <sub>2</sub> HPO <sub>4</sub>	No	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: Nov. 7, 2017