

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 1 - Product Identification

Eight different solutions. All liquids may be irritating to eyes, skin, digestive tract or respiratory tract.

### Section II - Hazards Identification

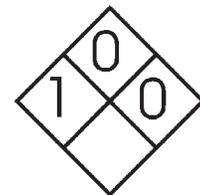
Overview: May be harmful if swallowed. May be irritating to skin and eyes.

#### Safety Ratings

*Health:* Slight *Flammability:* None *Reactivity:* None *Contact:* Slight  
Recommended safety equipment: safety goggles, lab coat and proper gloves  
*Storage:* General storage

#### NFPA Ratings

Health = 1 Flammability = 0 Reactivity = 0



#### Potential Health Effects

The toxicology of this compound has not been completely examined. It is presumed that the toxicity of this item is similar to other weak acids.

*Inhalation:* May be irritating. Not normally a problem.

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

*Skin contact:* : Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

*Eye contact:* May be irritating

*Chronic Exposure:* Unknown

*Aggravation of preexisting conditions:* Unknown

### Section III - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	%
Thimerosal (Reagent 1 &2)	54-64-8	0.1 mg/m <sup>3</sup> (TWA) skin	0.025 mg/m <sup>3</sup> (TWA) skin	0.5%
Thimerosal (Positive Control)	54-64-8	0.1 mg/m <sup>3</sup> (TWA) skin	0.025 mg/m <sup>3</sup> (TWA) skin	0.05%
Sodium Azide (Negative Control)	26628-22-8	0.3 mg/m <sup>3</sup> (Ceil) skin	0.3 mg/m <sup>3</sup> (Ceil) skin	<0.1%
Tetramethylbenzidine (Chromogen)	54827-17-7	-----	-----	<1%
Sodium Azide (Dilution Buffer)	22628-22-8	0.3 mg/m <sup>3</sup> (Ceil) skin	0.3 mg/m <sup>3</sup> (Ceil) skin	<0.1%
Thimerosal (Wash Concentrate)	54-64-8	0.1 mg/m <sup>3</sup> (TWA) skin	0.025 mg/m <sup>3</sup> (TWA) skin	0.4%
Phosphoric Acid (Stop Solution)	7664-38-2	1 mg/m <sup>3</sup> (TWA)	1 mg/m <sup>3</sup> (TWA)	5%

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## 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. 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 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. 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 liquid.

*Density:* 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>
Phosphoric acid	No	No	none
Sodium azide	No	No	none
Tetramethylbenzidine	No	No	none
Thimerosal	No	No	3

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## Section XII - Ecological Information

*Environmental Fate:* Biodegradable

*Environmental Toxicity:* None

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## Section XIII - Disposal Considerations

Waste disposal is usually not restricted but local ordinances vary. Insure compliance with all government regulations.

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## Section XIV - Transportation Information

*DOT Shipping name:* phosphoric acid solution    *DOT Hazard Class:* 8    *Packaging Group:* III

*DOT Hazard Label:* Corrosive    *DOT Identification Number:* UN1805

Eligible to be shipped under ORM-D or limited quantity exemptions [49 CFR section 173.150(b)(2) and 173.150(C)].

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## Section XV - Regulatory Information

### Chemical Inventory Status

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<u>Ingredient</u>	<u>TSCA</u>		<u>EC</u>
Phosphoric acid	Yes		Yes
Sodium azide	Yes	Yes	
Tetramethylbenzidine	Yes		Yes
Thimerosal	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>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Category</u>	<u>261.33</u>	<u>8(D)</u>

Not applicable

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: May 27, 2015