



Medical Chemical Corp.
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Customer Service: Phone (310)787-6800, (800)424-9394
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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 I - Product Identification

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

Section II - Hazards Identification

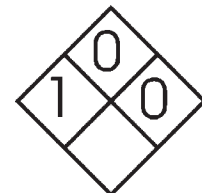
Overview: May be harmful if swallowed. May be irritating to skin and eyes

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 ³ (TWA) skin	0.025 mg/m ³ (TWA) skin	0.5%
Formaldehyde (Positive Control)	50-00-0	0.75 ppm (TWA)	0.3 ppm (CEIL)	0.5%
Formaldehyde (Negative Control)	50-00-0	0.75 ppm (TWA)	0.3 ppm (CEIL)	1%
Tetramethylbenzidine (Chromogen)	54827-17-7	-----	-----	<1%
Thimerosal (Wash Concentrate)	54-64-8	0.1 mg/m ³ (TWA) skin	0.025 mg/m ³ (TWA) skin	0.4%
Phosphoric Acid (Stop Solution)	7664-38-2	1 mg/m ³ (TWA)	1 mg/m ³ (TWA)	5%

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.

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 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.

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

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

<u>Ingredient</u>	<u>Known Carcinogenicity?</u>	<u>NTP?</u>	<u>Anticipated?</u>	<u>IARC Category</u>
Formaldehyde	Yes	No	Yes	2A
Phosphoric acid	No	No	No	none
Sodium azide	No	No	No	none
Tetramethylbenzidine	No	No	No	none
Thimerosal	No	No	No	3

Section XII - Ecological Information

Environmental Fate: Biodegradable

Environmental Toxicity: Unknown

Section XIII - Disposal Considerations

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

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)].

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

<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>
Formaldehyde	Yes	Yes
Phosphoric acid	Yes	Yes
Sodium azide	Yes	Yes
Tetramethylbenzidine	Yes	Yes
Thimerosal	Yes	Yes

Federal, State and International Regulations

<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

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 28, 2013