

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 I - Product Identification

A solution of aluminum ammonium sulfate, acetic acid and hematoxylin in water.

### Section II - Hazards Identification

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

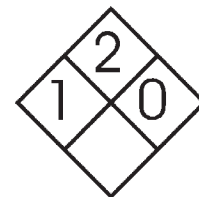
#### Safety Ratings

*Health:* Slight *Flammability:* Combustible liquid *Reactivity:* None *Contact:* Slight  
*Recommended safety equipment:* safety goggles, lab coat and proper gloves

*Storage:* General storage

NFPA Ratings

Health = 1 Flammability = 2 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 that of other aluminum compounds.

*Inhalation:* Not likely to be a problem.

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

*Skin contact:* Not normally a problem but will stain skin.

*Eye contact:* May be irritating

*Chronic Exposure:* Unknown

*Aggravation of preexisting conditions:* Unknown

### Section III - Composition/Information on Components

Ingredients	CAS#	OSHA PeI	ACGIH TLV	%
Aluminum ammonium sulfate	7784-25-0	2 mg/m3 (Al) TWA	2 mg/m3 (Al) TWA	6.7% w/v
Hematoxylin	517-28-2	—	—	0.5% w/v
Ethanol	64-17-5	1000 ppm (TWA)	1000 ppm (TWA)	4.5% v/v
Isopropanol	67-63-0	400 ppm (TWA)	400 ppm (STEL)	0.25% v/v
Methyl alcohol	67-56-1	200 ppm (TWA)	200 ppm (TWA)	0.25% v/v

### Section IV - First Aid Measures

*Inhalation:* Not likely to happen.

*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.

*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.

*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:* 102 °C

*Vapor pressure (mm Hg):* 18 @ 20 °C

*Vapor Density (air = 1):* 0.6

*Appearance and Odor:* A clear purple liquid with the characteristic odor of alcohol.

*Density:* 1.022 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>
Aluminum ammonium sulfate	no	no	none
Acetic acid	no	no	none
Hematoxylin	no	no	none
Ethanol	no	no	none
Methanol	no	no	none
Isopropanol	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**

Generally not restricted but local governments may restrict the amounts of dyes that may be flushed down the 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>
Aluminum Ammonium Sulfate	Yes	Yes
Acetic Acid	Yes	Yes
Hematoxylin	Yes	Yes
Ethanol	Yes	Yes
Methanol	Yes	Yes
Isopropanol	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>	
Aluminum Ammonium Sulfate	No	No	Yes	No	No	No	No
Acetic Acid	No	No	No	No	No	No	No
Hematoxylin	No	No	No	No	No	No	No
Isopropanol	No	No	Yes	No	No	No	No
Methanol	No	No	Yes	No	U154	No	Yes
Ethanol	No	No	No	No	No	No	No

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

SARA 311/312: Acute: Yes, Chronic: Yes, 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: Dec. 19, 2017