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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.

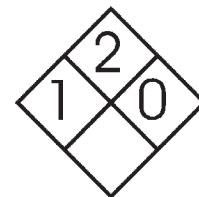
Safety Ratings

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/m ³ (Al) TWA | 2 mg/m ³ (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.

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.

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: 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

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>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 |

Section XII - Ecological Information

Environmental Fate: Biodegradable

Environmental Toxicity: None

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.

Section XIV - Transportation information

Not regulated.

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

| <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

| <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

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