

# MATERIAL SAFETY DATA SHEET

Alum 10% w/v Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Alum 10% w/v Solution  
Product Code: 0325  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 5/23/2013  
Print Date: 5/23/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	1			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA=Not Applicable		NE=Not Established		

## SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Aluminum Potassium Sulfate	CAS# 7784-24-9	10%	W/W	ACGIH TWA 2 mg (Al)/mf (Total Dust)
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire  
Fire / Explosion Hazards: None Known.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing

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to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Dispose of in a manner consistent with federal, state and local regulations.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: Dust Mask  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: NIOSH Approved Gloves  
Eye Protection: Safety Glasses  
Other Protective Equipment: Use safe laboratory handling procedures.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	Information not available	Percent Volatile by Volume:	~90%
Boiling Point:	Information not available	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	not applicable
Solubility in Water:	Information not available	Lower Flamm. Limit in Air	not applicable
Appearance /Odors:	Clear liquid, odorless	Upper Flamm. Limit in Air	not applicable
Flash Point:	not flammable		
Specific Gravity:	Information not available		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: None known  
Materials to Avoid: None known  
Hazardous Decomposition Products: Sulfur oxides (over 1400° F)  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

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<b>SECTION 11</b>	<b>Toxicological Information</b>
<b>SECTION 12</b>	<b>Ecological Information</b>
<b>SECTION 13</b>	<b>Disposal Considerations</b>
<b>SECTION 14</b>	<b>Transport Information</b>

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

<b>SECTION 15</b>	<b>Regulatory Information</b>
<b>SECTION 16</b>	<b>Additional Information</b>

Effects of overexposure. Acute and chronic: Contact with skin causes irritation and possible burns, especially if the skin is wet or moist. Ingestion of large amounts may cause gastrointestinal irritation. Target organs: None. Persons with pre-existing disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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