

MATERIAL SAFETY DATA SHEET

Aluminum Potassium Sulfate

SECTION 1 . Product and Company Identification

Product Name and Synonym: Aluminum Potassium Sulfate
Product Code: A4232
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

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. Keep container closed.

Hazardous Components (Specific
Chemical Identity: Common Name(s)
Other Limits
OSHA PEL ACGIH TLV Recommended % (Optional)
KAl (SO₄)₂ 12H₂O 2mg (AL) / M3
POTASH ALUM
CRYSTAL ALUM
POTASSIUM ALUMINUM SULFATE
Hazardous substance applies when discharged into navigable water, category (P) harmful
amount 5000 lbs
CAS# 7784-24-9 DOT: Not hazardous
HMIS designation 1H, OF, OR

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Aluminum Potassium Sulfate	CAS# 7784-24-9	100%	W/W	ACGIH TWA 2 mg (Al)/mf (Total Dust)

SECTION 4 FIRST AID MEASURES

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. Keep container closed.

FIRST AID: SKIN: 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.

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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 to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Dispose of in a manner consistent with federal, state and local regulations.
Routes of Entry: Inhalation – Irritation; Skin – Irritation; Ingestion – May be harmful
Health Hazards (Acute and Chronic): Irritation of skin and mucous membrane
Carcinogenicity: N/A
NTP: N/A
Signs and Symptoms of Exposure: Irritation possible from inhalation, eye contact or prolonged skin contact.
Medical Conditions Aggravated by Exposure: N/A
Emergency and First Aid Procedures: Wash skin, flush residue with plenty of water for at least 15 minutes and get medical attention. For ingestion get medical attention.

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.
Respiratory Protection (Specify Type): NIOSH approved respirator where required.
Ventilation
Local Exhaust: As necessary to eliminate dust
Special: N/A
Mechanical (General): N/A
Protective Gloves: Rubber or vinyl
Eye Protection: Safety glasses-chemical safety goggles.
Other Protective Clothing or Equipment: Clothing sufficient to protect skin from dust.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point: 92.5° C Percent Volatile by Volume: N/A
Boiling Point: 200° C (loses water) Evaporation Rate: N/A

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Vapor Pressure:	N/A	Evaporation Standard	
Vapor Density:	N/A	Auto Ignition Temp	N/A
Solubility in Water:	12.2% @ ambient	Lower Flamm. Limit in Air	N/A
Appearance /Odors:	White crystals / no odor	Upper Flamm. Limit in Air	N/A
Flash Point:	N/A		
Specific Gravity:	1.73		

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

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: Not Regulated

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

SECTION 15 Regulatory Information

SECTION 16 Additional Information

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. Dust is irritating to the respiratory tract. Target organs: None. Persons with pre-existing disorders may be more susceptible.

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Flammability

Health

Reactivity

Revisions

NFPA

0.1

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