

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 1: Identification****Product Name** Aluminum Potassium Sulfate USP .12 H<sub>2</sub>O**Commercial Name** Potassium alum**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 30-1692**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300****Section 2: Hazard(s) Identification****OSHA Haz Com:** Not available.  
**CFR 1910.1200****Signal Word** NON-HAZARDOUS**Hazard Statement(s)** Not available.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):****Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.**Section 3: Composition/Information on Ingredients****Substance/Mixture** Substance**Components** Aluminum Potassium Sulfate**% By Weight** 100**CAS#** 7784-24-9**Molecular Weight** 474.39 g/mole**Chemical Formula** AlK(SO<sub>4</sub>)<sub>2</sub>.12H<sub>2</sub>O**Synonym(s)** Aluminum Potassium Sulfate Dodecahydrate; Sulfuric Acid, Aluminum Potassium Salt (2:1:1),  
Dodecahydrate.**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Aluminum Potassium Sulfate	7784-24-9	100	TWA: 2	Not available.

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Allow affected person to breathe fresh air. Give artificial respiration if necessary.
<b>Skin Contact</b>	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
<b>Eye Contact</b>	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	
Not available.	

**Section 5: Fire-Fighting Measures**

<b>Suitable Extinguishing Media</b>	Dry chemical, alcohol-resistant foam, water spray, carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	Do not use a heavy water stream.
<b>Products of Combustion</b>	Sulphur oxides. Potassium oxides. Aluminium oxides

**Firefighters Special Equipment and Precautions**

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.

**Section 6: Accidental Release Measures**

General measures: Avoid breathing (dust, vapor, mist, gas). Avoid dust formation. Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Ventilate area. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

**Section 7: Handling and Storage**

Handling: : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Storage: Store in dry, cool, well-ventilated area. Keep container tightly closed

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	USA - NIOSH - Occupational Exposure Limits NIOSH REL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>Engineering Controls</b>	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.	
<b>Personal Protection</b>	Personal protective equipment: Avoid all unnecessary exposure. Hand protection: Wear chemically resistant protective gloves.	
	Disposable gloves	Nitrile rubber (NBR) 6 (> 480 minutes) 0.11
	Type	Material Permeation Thickness (nqn) Penetration
	Eye protection: Chemical goggles or safety glasses. Use eye protection according to EN 166, designed to protect against powders and dusts. Skin and body protection: Complete protective clothing Respiratory protection: For nuisance exposures use type P95 (US) or type Pt (EU EN 143) particle respirator. For higher level protection use type OVIAGIP99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Other information: Do not eat, drink or smoke during use.	

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**Section 9: Physical and Chemical Properties****Appearance** Solid. Powder. Color: White.**Odor** Not available.**Odor Threshold** Not available.**Melting Point** 92 °C lit.**Freezing Point** Not available.**Boiling Point/Range** Not available.**Decomposition temperature** Not available.**Partition Coefficient:** Not available.**n-octanol/water****pH** 3.3 at 94.88 g/**Vapor Pressure** Not applicable.**Vapor Density** Not available.**Viscosity** Not available.**Evaporation Rate** Not available.**Flash Point** Not applicable.**Flammability** Not available.**Autoignition temperature** Not available.**Flammability or Explosive Limits:****Lower** Not available.**Upper** Not available.**Solubility(ies)** Not available.**Other** Not available.**Section 10: Stability and Reactivity****Reactivity** Not available.**Chemical Stability** Stable under normal conditions of use**Hazardous Polymerization** Not available.**Conditions to Avoid** Direct sunlight. Extremely high or low temperatures.**Incompatible Materials** Strong acids. Strong bases, strong oxidizing agents. Steel, copper, zinc and its alloys.**Hazardous Decomposition Products** fume. Carbon monoxide. Carbon dioxide**Section 11: Toxicological Information****RTECS** WS5650000**Acute Toxicity**

Not available.

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Not available.

**Symptoms Related to Exposure**

Not available.

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**Potential Health Effects**

Not available.

**Target Organ(s)**

Not available.

**Section 12: Ecological Information****Ecotoxicity**

Not available.

**Persistence and Degradability**

Not available.

**Bioaccumulative Potential**

Not available.

**Mobility in Soil**

Not available.

**Other Adverse Effects**

Not available.

**Section 13: Disposal Considerations****Waste Disposal**

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Disposal of Container**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Other Considerations**

Avoid release to the environment.

**Section 14: Transport Information****DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

**Section 15: Regulatory Information****Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

**Other**

WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC); DSCL (EEC) R36/38- Irritating to eyes and skin.; Gloves.; Synthetic apron.; Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.; Splash goggles.

**Section 16: Other Information**



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