

**AerChem, Inc.**  
**400 West 7th Street, Suite 112**  
**Bloomington, IN. 47404**

**Tel: 812.334.9996**

**Fax: 812.334.0916**

**Emergency: 800.424.9300**

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Identity: Potassium Sulphate

SECTION I: Material Identification

Material: Potassium Sulphate  
Chemical Formula: K<sub>2</sub>S<sub>04</sub>  
Molecular Weight: 174

SECTION II: Ingredients of Material

Ingredients: K<sub>2</sub>S<sub>04</sub>  
Approximate Concentration: 99.6 - 99.9%  
C.A.S. No.'s: 7778-80-5

SECTION III: Physical Data

Physical State: Solid  
Appearance: Beige powder  
Odor: None  
Specific Gravity: 2.66  
Boiling Point: 1689  
Freezing Point (c): 1072  
Solubility in Water: @ 20 C - 12%  
% Volatile (by volume): None  
pH: Neutral

SECTION IV: Fire and Explosion Hazard of Material

Flammable: No  
Means of Extinction: Not applicable  
Special Extinguishing Procedure: None  
Flash Point: Not applicable  
Upper Explosion & Lower Explosion Limit: Not applicable  
Hazardous Combustion Products: None  
Sensitivity to Chemical Impact: None  
Rate of Burning: Not applicable  
Sensitivity to Static Discharge: None  
Explosive Power: None

SECTION V: Reactivity Data

Chemical Stable: Yes  
Reactivity: None

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SECTION VI: Toxicological Properties of Product

Route of Entry: Skin contact, Eye contact, Inhalation, Ingestion  
Effects of Acute Exposure: Minor skin, Respiratory tract or Eye irritation  
Effects of Chronic Exposure to Product: May reduce lung function  
Irritancy: Causes minor Eye and Skin irritation  
Sensitization: Not reported  
Carcinogenic: No  
Reproductive Effects: None  
Teratogenic: No  
Mutagenic: No

SECTION VII: Preventative Measures

Personal protective Equipment: Dust Mask for dusty conditions, Safety Glasses  
Engineering Controls: Use local or area ventilation to remove dust  
Spill Procedures: Place in containers or vehicle with shovels or loaders,  
flush area with water  
Waste Disposal: Uncontaminated material may be used as fertilizer.  
Handling Procedures: Avoid generating dust by unnecessary or excessively vigorous  
movements  
Storage Requirements: Keep dry, avoid contact with carbon steel and aluminum  
Shipping Information: Keep covered

SECTION VIII: First Aid Measures

Skin: Flush with water, obtain medical attention if rash develops  
Eye: Flush with running water for at least 15 minutes, obtain medical attention  
Inhalation: Obtain medical advice if symptoms persist  
Ingestion: Obtain medical attention. Ingestion of large amounts usually causes purging  
of the stomach by vomiting