

# DIAMOND K

*The Natural Sulfate of Potash Producer*

## MATERIAL SAFETY DATA SHEET

### SECTION I: PRODUCT IDENTIFICATION

Product Name: ..... Sulfate of Potash  
Trade Name and Synonyms: ..... SOP, Arcanite, K<sub>2</sub>O crop nutrient  
Formula: ..... K<sub>2</sub>SO<sub>4</sub>  
CAS Number: ..... 7778-80-5  
Manufacturer's Name: ..... Great Salt Lake Minerals Corporation  
Address: ..... 765 North 10500 West, Ogden, Utah 84404  
Phone: ..... 801-731-3100  
Issue Date: ..... November 30, 2001

### SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

N/A

### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance ..... White crystals or brown granular  
Melting Point: ..... 1952°F  
Specific Gravity (H<sub>2</sub>O=1): ..... 2.66  
Solubility: ..... Soluble in water (1 pound per gallon at 77°F)  
..... Insoluble In alcohol  
Volatile by Volume (%): ..... N/A

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media ..... N/A  
Special Fire Fighting Procedures: .... N/A  
Unusual Fire and Explosion Hazards: . N/A  
National Fire Protection Association (NFPA) Classification:  
4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal  
Health (Blue) ..... 1  
Flammability (Red) ..... 0  
Reactivity (Yellow) ..... 0

### SECTION V: REACTIVITY DATA

Stability: ..... Stable  
Incompatibility (*Materials to avoid*): ... N/A  
Hazardous Decomposition or Byproducts: .SOx at temperatures above 1952°F



## CONTINUED

### SECTION VI: HEALTH HAZARD DATA

Health Hazards: . . . . . Similar to sodium chloride (table salt)  
Carcinogenicity: . . . . . N/A  
Signs and Symptoms of Exposure: . . . . . Ingestion: Large doses may cause GI discomfort  
Skin: May cause Irritation.  
Eyes: May cause irritation.  
Inhalation: May cause irritation.  
Emergency and First Aid Procedures: . . . . . Ingestion: Consult physician.  
Skin: Flush with water.  
Eyes: Irrigate with water.  
Inhalation: Remove to fresh air.

### SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storage Precautions: . . . . . As with similar powdered materials Sulfate Of Potash should be handled in a manner that prevents personal contact with the skin and eyes. Wash hands after handling.  
Other Precautions: . . . . . Not for food or drug use.  
Steps to be Taken if Spilled: . . . . . Collect and reuse material. Sulfate of potash is a non-hazardous waste when spilled or disposed of, as defined by RCRA regulations (40 CFR 261).

### SECTION VIII: CONTROL MEASURES

Ventilation: . . . . . Ventilate when working in a confined area or when using large quantities of this material.  
Respiratory Protection: . . . . . Dust mask.  
Eye Protection: . . . . . Safety glasses with side shields recommended: for all activities involving material handling.

### SECTION IX: SUPPLIER NOTIFICATION

Name: . . . . . Sulfate of Potash  
Hazard Label: . . . . . No special requirements.  
Transportation Guidelines: . . . . . No special requirements.

### SECTION X: CANADIAN REGULATIONS

WHMIS Information: . . . . . The Canadian Workplace Hazardous Materials Information System Classification defines Sulfate Of Potash as Not A Controlled Product  
TOG Information: . . . . . For guidance, the Canadian Transportation of Dangerous Goods Classification for Sulfate Of Potash is Not Regulated

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