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# SAFETY DATA SHEET

Potassium Sulfate

## Section 1. Identification

GHS product identifier : Potassium Sulfate  
Product type : Solid

### Uses

Area of application : Not Applicable

### Supplier

Supplier's details : Greenway Biotech, Inc.

### Address

Street : 10632 Painter Ave  
Postal code : 90670  
City : Santa Fe Springs  
Country : United States

Telephone number : +1 562-351-5168

e-mail address of person responsible for this SDS : sales@greenwaybiotech.com

Emergency telephone number (with hours of operation) : US: Chemtrec 24-hours Emergency Response: 1-800-424-9300  
Canada: 24 Hour Emergency Service, (Canutec 613-996-6666)

### National advisory body/Poison Center

Name : The National Poisons Emergency number  
Telephone number : 1 800 222 1222

## Section 2. Ingredients of Material

Ingredients :  $K_2SO_4$   
Approx. Concentration : 94 – 99.9%  
C.A.S No.'s : 7778-80-5  
Exposure Limits : Not available

**LD<sub>50</sub>/LC<sub>50</sub> Specity** : None reported, LDLo (human oral)  
**Species and Route** : 800 mg/kg

### Section 3. Physical Data

**Physical State** : Solid  
**Appearance** : Off-White to Beige powder/granules  
**Odor** : None  
**Odor Threshold** : Not available  
**Specific Gravity** : 2.66  
**Vapor Pressure** : Not available  
**Vapor Density** : Not available  
**Evaporation Rate** : Not available  
**Boiling Point** : 1689°C (3072°F)  
**Melting Point** : 1069°C (1956°F)  
**Solubility in water** : @ 20°C – 12%  
**% Volatile (by volume)** : None  
**pH** : Neutral  
**Density (loose)** : 1362-1458 kg/m<sup>3</sup>  
**Coefficient of Water/Oil Distribution** : Not available

### Section 4. Fire and Explosion Hazard of Material

**Flammable** : No  
**Means of Extinction** : Not applicable  
**Special Extinguishing Procedure** : None  
**Flash Point** : Not applicable  
**Upper and Lower Exposure Limit** : Not applicable  
**Auto Ignition Temperature** : Not applicable  
**TGD Flammability Classification** : None

<b>Hazardous Combustion Products</b>	:	Product itself does not burn; thermal decomposition can lead to release of irritating gasses and vapors (Sox).
<b>Sensitivity to Chemical Impact</b>	:	None
<b>Rate of Burning</b>	:	Not applicable
<b>Sensitivity to Static Discharge</b>	:	None
<b>Explosive Power</b>	:	None

## Section 5. Reactivity Data

<b>Chemical Stable</b>	:	Yes
<b>Incompatible to Other Substances</b>	:	No
<b>Reactivity</b>	:	None
<b>Hazardous Decomposition Products</b>	:	None

## Section 6. Toxicological Properties of the Product

<b>Route of Entry</b>	:	Skin contact, eye contact, Inhalation, Ingestion
<b>Effects of Acute Exposure</b>	:	Minor skin, Respiratory tract or eye irritation
<b>Effects of Chronic Exposure</b>	:	May Reduce lung function
<b>LD<sub>50</sub></b>	:	Not available
<b>LC<sub>50</sub></b>	:	Not available
<b>Irritancy</b>	:	Causes minor eye and skin irritation
<b>Sensitization</b>	:	Not reported
<b>Synergistic Materials</b>	:	None reported
<b>Exposure Limit</b>	:	None established. 1 mg/m <sup>3</sup> recommended for nuisance dust
<b>Carcinogenic</b>	:	No
<b>Reproductive Effects</b>	:	None
<b>Teratogenic</b>	:	No
<b>Mutagenic</b>	:	No

## Section 7. 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. Waste may be disposed of in suitable landfill in accordance with applicable regulations.

**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 8. 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.

## Section 9. Preparation of MSDS

**Prepared By:** Greenway Biotech

**Date:** May, 2019

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