



# Safety Data Sheet

Revision Date 12/16/15

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name Potassium Sulfate  
CAS # 7758-97-6  
Manufacturer Sentury Reagents, Inc.  
2515 Commerce Dr.  
Rock Hill, SC 29730  
Telephone 803-327-6880  
Fax 803-327-3872  
Emergency Phone # PERS: 800-633-8253  
International Phone # 011-801-629-0667  
Account 10613

## 2. HAZARDS IDENTIFICATION

**Classification:** Not classified as a hazard

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
Potassium sulfate	-	Not available	7778-80-5	90-100	-

## 4. FIRST AID MEASURES

### In case of eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### In case of skin contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

### In case of inhalation

Move to fresh air. If breathing becomes difficult, give oxygen

### If case of ingestion

Clean mouth with water and afterwards drink plenty of water.

## 5. FIRE-FIGHTING MEASURES

### Flammable Properties

Not flammable

### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or regular foam

### Flash Point

Not determined

### Hazardous combustion products

Emits toxic fumes

### Explosion Data

**Sensitivity to Mechanical Impact** Not sensitive

**Sensitivity to Static Discharge** Not sensitive

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

### Methods for Cleaning Up

Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

### Methods and materials for containment

Prevent further leakage of spillage if safe to do so

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place

### Incompatible Products

Keep containers tightly closed in a dry, cool and well-ventilated place

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium sulfate 7778-80-5			

### Engineering Measures

Showers, Eyewash stations

### Personal protective equipment

#### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### Eye protection

Tightly fitting safety goggles

#### Skin and body protection

Wear protective gloves/clothing

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form                      crystals  
Colour                    white

### Safety data

pH                              ca. 7  
Melting point/              1067cC(1953F)  
Freezing point  
Boiling point                1689C (3072F)  
Flash point                  not applicable  
Ignition temperature      no data available  
Autoignition  
temperature                no data available  
Lower explosion limit      no data available  
Upper explosion limit      no data available  
Vapour pressure            no data available  
Density                      no data available  
Water solubility            Negligible  
Partition coefficient:  
n-octanol/                    no data available

Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Incompatible Products

Strong oxidizing agents

### Conditions to avoid

None known based on information supplied

### Materials to avoid

Organic materials, Powdered metals

### Hazardous decomposition products

Oxides of Sulfur, Oxides of Potassium

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral LD50

LD50 Oral - rat - > 6600 mg/kg

#### Inhalation LC50

no data available

#### Dermal LD50

no data available

#### Other information on acute toxicity

no data available

### Chronic toxicity

No known effect based on information supplied

### Target Organ Effects

no data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organism.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Micotox	Daphhina Magna (Water Flea)
Potassium sulfate	EC50=2900 mg/L 72 h	LC50=653 mg/L Lepomis macrochirus 96 h		EC50=890 mg/L 48 h

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method

Dispose of material in accordance with all federal, state, and local regulations

### Contaminated packaging

Dispose of in accordance with all federal, state and local regulations

## 14. TRANSPORT INFORMATION

**DOT (US)** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

REACH Title VII Restrictions No information available.

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poison and Deleterious Substances Control Law:
Potassium sulfate <b>Component</b>	Not applicable <b>ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying</b>	Not applicable <b>ISHA - Harmful Substances Requiring Permission</b>	Not applicable <b>Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals</b>	Not applicable	Not applicable <b>Toxic Release Inventory (TRI) - Group I</b>	Not applicable <b>Toxic Release Inventory (TRI) - Group II</b>
Potassium sulfate 7778-80-5 ( 95-100 )	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**International Inventories**

TSCA	Does not Comply
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Complies
AICS	Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

**CERCLA**

**U.S. State Regulations**

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

**International Regulations**

Mexico Grade	No information available
Canada WHMIS Hazard Class	Not determined.

**16. OTHER INFORMATION**

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sentury Reagents, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.