

**Safety Data Sheet**

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

**Section 1: Identification**

**Product Name** Sodium Sulfate USP Anhydrous  
**Commercial Name** Not available.  
**Product Use** Not available.  
**Restrictions On Use** Not available.

**Product Code** 30-3103

**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In 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** WARNING

**Hazard Statement(s)** Causes eye irritation.

**Pictogram(s) or Symbol(s)**

**Precautionary Statement(s):**

**Prevention** Wash thoroughly after handling  
**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Storage** Not available.  
**Disposal** Not available.

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture** Substance  
**Components** Sodium Sulfate USP Anhydrous  
**% By Weight** 100  
**CAS#** 7757-82-6  
**Molecular Weight** 142.06 g/mole  
**Chemical Formula** Na<sub>2</sub>SO<sub>4</sub>  
**Synonym(s)** Sodium Sulfate Anhydrous

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Sodium Sulfate USP Anhydrous	7757-82-6	100	N/A	N/A

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**Section 4: First-Aid Measures**

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin Contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye Contact</b>	Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur
<b>Symptoms/Effects</b>	
<b>Acute</b>	Irritation of eyes.
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	
	Provide general supportive measures and treat symptomatically

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Water. Foam. Dry chemical or CO<sub>2</sub>. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable Extinguishing Media**

Not applicable.

**Products of Combustion**

No unusual fire or explosion hazards noted

**Firefighters Special Equipment and Precautions**

Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials

**Section 6: Accidental Release Measures**

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. Methods and materials for containment and cleaning up: Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

**Section 7: Handling and Storage**

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential. Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

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

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	For laboratory operations, use good technique and limit open handling. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

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**Personal Protection**

Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available. Skin protection Hand protection: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Other: Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Respiratory protection: Respirators are generally not required for laboratory operations. Choose respiratory protection appropriate to the task and the level of existing engineering controls. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: Handling practices in this SDS are recommendations for laboratory use of reference standards. Procedures for any other uses or quantities should be determined after an appropriate assessment.

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**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White Crystalline powder. Crystalline granules. Solid.	<b>pH</b>	Not available.
<b>Odor</b>	Odorless.	<b>Vapor Pressure</b>	< 0.0000001 kPa at 25 °C
<b>Odor Threshold</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Melting Point</b>	1551.2 - 1630.4 °F (844 - 888 °C)	<b>Viscosity</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
<b>Partition Coefficient: n-octanol/water</b>	-3	<b>Lower</b>	Not available.
<b>Flash Point</b>	Not applicable.	<b>Upper</b>	Not available.
<b>Flammability</b>	Not available.		
<b>Solubility(ies)</b>	Freely soluble. in water.		
<b>Other</b>	Alcohol: Insoluble. Glycerin: Soluble. Chemical family Inorganic salt. Dynamic viscosity 2.48 mPa.s (68 °F (20 °C)) Molecular formula Na <sub>2</sub> SO <sub>4</sub> Molecular weight 142.04 Surface tension 71 mN/m (68 °F (20 °C))		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Hazardous Polymerization</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible Materials</b>	Strong mineral acids. Strong bases. Explodes in contact with aluminium or magnesium above 800° C
<b>Hazardous Decomposition Products</b>	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. SO <sub>x</sub> . NaO <sub>x</sub> .

**Section 11: Toxicological Information**

<b>RTECS</b>	WE1650000
<b>Acute Toxicity</b>	Oral LD50 Mouse 5989 mg/kg Rat > 10000 mg/kg
<b>Skin Corrosion/Irritation</b>	Not available.
<b>Serious Eye Damage/Irritation</b>	Causes eye irritation
<b>Respiratory or Skin Sensitization</b>	Not available.
<b>Germ Cell Mutagenicity</b>	Not available.
<b>Carcinogenicity</b>	Not available.
<b>Reproductive Toxicity</b>	Not available.

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**Routes of Entry**

Eye.

**Symptoms Related to Exposure**

Diarrhea. Black or bloody stools

**Potential Health Effects**

Not available.

**Target Organ(s)**

Not available.

**Section 12: Ecological Information****Ecotoxicity**Aquatic Crustacea EC50 Water flea (*Ceriodaphnia dubia*) 2807 - 3535 mg/l, 48 hours Fish LC50 Striped bass (*Morone saxatilis*) 790 mg/l, 96 hours**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 accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Disposal of Container**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**Other Considerations**

Not available.

**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**

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200 TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. SARA 302 Extremely hazardous substance Superfund Amendments and Reauthorization Act of 1986 (SARA) Not listed. YesSARA 311/312 Hazardous chemical Serious eye damage or eye irritation Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated. Safe Drinking Water Act (SDWA) Total food additive Indirect food additive GRAS food additive Food and Drug Administration (FDA) US state regulations California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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**Other**

Not available.

**Section 16: Other Information**

Not available.