Material Safety Data Sheet
Sodium Sulphate Anhydrous

Section 1: Chemical Product and Company Identification

Product Name: Sodium sulphate anhydrous
Catalog Codes: SLS3685, SLS1465, SLS2089, SLS3511, SLS1294
CAS#: 7757-82-6
RTECS: WE1650000
TSCA: TSCA 8(b) inventory: Sodium sulfate anhydrous
CI#: Not available
Chemical Name: Sodium Sulphate Anhydrous
Chemical Formula: Na2SO4
Contact Information:

Company name : Cosmo chemistry	**Address:** 713, Millenium business hub, Sarthana Jakatnaka, Varachha Road, Surat-395006, Gujarat, india.
Contact number : +91 97979 77958 **Email :** info@cosmochemistryindia.com	

Section 2: Composition and Information on Ingredients

Composition:
Sodium sulfate anhydrous — CAS 7757-82-6 — 100%
Toxicological Data:
ORAL (LD50) Acute: 5989 mg/kg [Mouse]

Section 3: Hazards Identification

Acute Health Effects:

- Irritant in case of eye contact
- Slightly hazardous in case of skin contact, ingestion, inhalation

Chronic Effects:

- Carcinogenic: Not available
- Mutagenic: Not available
- Teratogenic: Not available
- Developmental toxicity: Not available

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Serious Inhalation: Not available. Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data
Flammability of the Product: Non-flammable.
Auto-Ignition Temperature: Not applicable.
Flash Points: Not applicable.
Flammable Limits: Not applicable.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances: Not applicable.
Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions: Not applicable.
Special Remarks on Fire Hazards: Not available.
Special Remarks on Explosion Hazards:
At a temperature of 800 C, sodium sulphate and aluminum will explode.

Section 6: Accidental Release Measures
Small Spill: Collect and dispose in suitable container, wash area with water
Large Spill: Shovel into disposal container, wash contaminated surface

Section 7: Handling and Storage
Precautions:
Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals.
Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic

Section 8: Exposure Controls/Personal Protection
Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:
Not available.

Section 9: Physical and Chemical Properties

Property	Value
Physical state and appearance	Solid (Crystals solid, Crystalline powder, Granular solid, Powdered solid)
Odor	Odorless
Taste	Bitter, Saline
Molecular Weight	142.06 g/mole
Color	White
pH (1% soln/water)	Not available
Boiling Point	1100°C (2012°F)
Melting Point	888°C (1630.4°F)
Critical Temperature	Not available
Specific Gravity	2.671 (Water = 1)
Vapor Pressure	Not applicable
Vapor Density	Not available
Volatility	Not available
Odor Threshold	Not available
Water/Oil Dist. Coeff.	Not available
Ionicity (in Water)	Not available
Dispersion Properties	See solubility in water
Solubility	Soluble in cold water, hydrogen iodide, and glycerol
Insolubility	Insoluble in alcohol

Section 10: Stability and Reactivity Data
Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability:
Excess dust generation, incompatible materials
Incompatibility with various substances: Reactive with oxidizing agents, metals.
Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Hygroscopic.
Sodium sulfate reacts violently with magnesium.
Also incompatible with aluminum, potassium, mercury, lead, calcium, silver, barium, ammonium ions, and strontium.
Sulfates give precipitates with salts of lead, barium, strontium, and calcium. Silver and mercury form slightly soluble salts. Alcohol preciptates most sulfates out of solution.
Special Remarks on Corrosivity:
The rates of corrosion of iron and steel in water are a function of the specific mineral quality as well as the alkalinity and pH values. Sodium sulfate ... is a strong contributor to the rate of corrosion. For example, in water with 400 mg/l of alkalinity (as CaCO3) at pH 7, the corrosion rate will be zero at 200 mg/l of Na2SO4, but when the concentration of sodium sulfate is 400 mg/l, the corrosion rate will be about 100 mg per square cm per day.
Polymerization: Will not occur.

Section 11: Toxicological Information
Routes of Entry:
Inhalation. Ingestion.
Toxicity to Animals:
Acute oral toxicity (LD50): 5989 mg/kg [Mouse].
Chronic Effects on Humans:
Not available.
Other Toxic Effects on Humans:
Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals:
Not available.
Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (fetotoxicity) based on animal studies. Human human data found.
May cause cancer (tumorigenic) based on animal studies. No human data found.
Placental absorption of sulfate ion has been characterized. Sulfate ion levels at term are somewhat higher in fetal than in maternal blood.
Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause irritation, although it is not known to be an irritant.
Eyes: May cause eye irritation.
Ingestion: Saline cathartics (laxitives) are poorly absorbed from the gastrointestinal tract; hence, systemic toxicity is unlikely unless massive amounts have been ingested. Ingestion of large amounts may cause gastrointestinal (digestive) tract irritation with abdominal pain, nausea, vomiting, diarrhea. Low hazard for usual industrial handling.

Section 12: Ecological Information
Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:
The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations
Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information
DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information
Federal and State Regulations:

Pennsylvania RTK: Sodium sulfate anhydrous
Massachusetts RTK: Sodium sulfate anhydrous
TSCA 8(b) inventory: Sodium sulfate anhydrous

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCL (EEC):
R36- Irritating to eyes.
S36- Wear suitable protective clothing.
S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 0
Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 0
Reactivity: 0

Specific hazard:

Protective Equipment: Gloves, Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Splash goggles.

Section 16: Other Information

References: Not available.
Other Special Considerations: Not available.
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall CosmoChemistry be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Cosmo Chemistry has been advised of the possibility of such damages.