



SAFETY DATA SHEET

SODIUM SULPHATE (Na₂SO₄)

SDS / MSDS Summary prepared according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and GHS principles

SECTION 1: IDENTIFICATION

Product Identifier	Sodium Sulphate (Na ₂ SO ₄)
Recommended Use	Industrial manufacturing
Restrictions on Use	For professional use only
Manufacturer / Distributor	BASEKİM KİMYASAL ÜRÜNLER İÇ VE DIŞ TİC. LTD. ŞTİ.
Address	İLKBAHAR MAH. FAHREDDİN PAŞA SK. NO: 6 ÇANKAYA/ANKARA
Phone Number	+903125147055
Emergency Phone Number	+903125147055

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification	Not classified as hazardous under GHS criteria for typical industrial sodium sulphate.
Signal Word	No signal word required.
GHS Pictograms	None required.
Hazard Statements	No GHS hazard statements required. Dust may cause mild mechanical irritation to eyes, skin, or respiratory tract.
Precautionary Statements	Avoid dust formation. Use adequate ventilation. Wear suitable eye protection and gloves when handling bulk material.

Signal Word: No signal word required under normal classification criteria.

Hazard Emphasis: Avoid inhalation of airborne dust and contact with eyes during industrial handling.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Sodium sulphate
Synonyms	Disodium sulphate; sodium sulfate; Glauber salt (anhydrous form context may vary)
CAS Number	7757-82-6
EC Number	231-820-9
Chemical Formula	Na ₂ SO ₄
Concentration	Typical commercial grade: >= 99% sodium sulphate unless otherwise specified by sales specification.

SECTION 4: FIRST-AID MEASURES

- **Eye Contact:** Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
- **Skin Contact:** Wash affected area with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
- **Inhalation:** Move person to fresh air. Keep at rest in a position comfortable for breathing.



Seek medical attention if coughing or irritation persists.

- **Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if large quantity is swallowed or discomfort occurs.
- **Symptoms and Effects:** May cause mild mechanical irritation; delayed significant effects are not expected under normal industrial use.
- **Required Treatment:** Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire: water spray, foam, dry chemical, or carbon dioxide.
- **Unsuitable Media:** No specific restrictions known for the substance itself.
- **Specific Hazards:** Material is not combustible. Thermal decomposition may release sulfur oxides and sodium oxide fumes under extreme fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective gear when exposed to fire decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid dust generation and inhalation. Use suitable PPE including safety glasses, gloves, and dust mask where airborne dust is present.
- **Emergency Procedures:** Restrict access to spill area. Ventilate the area and eliminate unnecessary dust exposure.
- **Containment:** Prevent material from entering drains, waterways, and sewers where practical.
- **Cleanup Methods:** Collect mechanically by sweeping, vacuuming, or shoveling into labeled containers. Avoid dry sweeping that creates airborne dust.

SECTION 7: HANDLING AND STORAGE

- **Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation and avoid contact with eyes.
- **Hygiene Measures:** Wash hands after handling and before eating, drinking, or smoking. Do not breathe dust.
- **Storage Conditions:** Store in a cool, dry, well-ventilated area in tightly closed packaging. Protect from moisture.
- **Incompatibilities:** Avoid strong acids and strong oxidizing agents. Keep away from materials that may react with inorganic salts under abnormal conditions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL	No substance-specific OSHA PEL established for sodium sulphate. Manage as nuisance/particulate dust where applicable.
ACGIH TLV	No substance-specific ACGIH TLV established for sodium sulphate. Apply general particulate exposure guidance where applicable.
Engineering Controls	Use local exhaust ventilation or general ventilation to maintain dust concentrations at the lowest practical level.
Eye / Face Protection	Safety glasses with side shields; chemical goggles where dust exposure



	is likely.
Skin Protection	Protective gloves and clean industrial work clothing.
Respiratory Protection	Use an approved particulate respirator if ventilation is inadequate or dust levels are elevated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder or granules
Odor	Odorless
pH	Approximately neutral to slightly alkaline in aqueous solution
Melting Point	Approx. 884 °C
Boiling Point	Not applicable / decomposes at elevated temperature
Flash Point	Not applicable; inorganic non-combustible solid
Flammability	Non-flammable
Relative Density	Approx. 2.66 g/cm ³
Solubility in Water	Soluble in water
Partition Coefficient	Not applicable for inorganic salt
Auto-ignition Temperature	Not applicable

SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Not expected to be reactive under normal conditions of use and storage.
- **Chemical Stability:** Stable under recommended storage conditions.
- **Hazardous Reactions:** No hazardous polymerization or self-reactive behavior expected.
- **Conditions to Avoid:** Avoid excessive dust generation, moisture contamination, and extreme heat.
- **Incompatible Materials:** Strong acids and strong oxidizing agents.
- **Hazardous Decomposition Products:** Sulfur oxides and sodium oxide fumes may form at very high temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Eye contact, skin contact, inhalation of dust, accidental ingestion
Acute Effects	Dust may cause mild mechanical irritation to eyes, skin, and upper respiratory tract.
Chronic Effects	No significant chronic effects are expected under normal industrial hygiene controls.
Skin Corrosion / Irritation	Not classified; may cause mild mechanical irritation.
Eye Damage / Irritation	Not classified; dust may cause temporary discomfort.
Sensitization	Not expected to be a skin or respiratory sensitizer.
Carcinogenicity	Not listed as carcinogenic by OSHA, IARC, or NTP for sodium sulphate.
Numerical Toxicity	Oral LD50 (rat): commonly reported greater than 5,000 mg/kg for sodium sulphate.



SECTION 12: ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not expected to be highly toxic to aquatic organisms at normal environmental concentrations.
- **Persistence and Degradability:** Inorganic salt; biodegradation is not applicable.
- **Bioaccumulative Potential:** Bioaccumulation is not expected.
- **Mobility in Soil:** Water soluble; may be mobile in soil and aquatic environments.
- **Other Adverse Effects:** Large releases may increase sulfate concentration and salinity in receiving waters.

SECTION 13: DISPOSAL CONSIDERATIONS

- **Waste Treatment:** Dispose of product and contaminated packaging in accordance with local, regional, national, and international regulations.
- **Container Disposal:** Empty containers should be cleaned or recycled where permitted. Do not reuse contaminated packaging for food or potable water.
- **Sewer Disposal:** Avoid uncontrolled discharge to drains and waterways.

SECTION 14: TRANSPORT INFORMATION

UN Number	Not regulated as dangerous goods
Proper Shipping Name	Sodium sulphate
Transport Hazard Class	Not classified
Packing Group	Not applicable
Environmental Hazards	Not classified as marine pollutant
Special Precautions	Keep dry. Avoid package damage and dust release during loading and unloading.

SECTION 15: REGULATORY INFORMATION

- **OSHA HCS:** Not classified as hazardous under typical OSHA Hazard Communication/GHS criteria.
- **Inventory Status:** Sodium sulphate is listed or exempt on major chemical inventories where applicable; verify destination-specific requirements before export.
- **Labeling:** No GHS hazard pictogram, signal word, or hazard statement is normally required for the pure substance.
- **User Responsibility:** The recipient must ensure compliance with all applicable local and national regulations.

SECTION 16: OTHER INFORMATION

Date of Preparation / Revision	04 June 2026
Document Type	Safety Data Sheet (SDS / MSDS) summary for industrial B2B communication
Disclaimer	The information is provided in good faith for professional handling and industrial use. It does not constitute a product specification or warranty. Users must verify suitability for their specific process and comply with applicable regulations.