

Doc. # Na₂SO₄-TDS-10Rev. # 00Effective Date: 01.01.2023**TITLE: TECHNICAL DATA SHEET (TDS) FOR SODIUM SULPHATE****SECTION ①: PRODUCT INFORMATION**

Name	CAS #	Chemical Formula	Molar Mass	Boiling Point	Melting Point	Hazard Pictogram
Sodium Sulphate	7757-82-6	Na ₂ SO ₄	142.0 g/mol	1429°C	884°C	

SECTION ②: SPECIFICATIONS

Appearance	Na ₂ SO ₄ %	Moisture %	Water Insoluble %	NaCl %
White Powder	≥ 99.0	≤ 0.5	≤ 0.5	≤ 0.57

SECTION ③: APPLICATIONS

- Sodium sulphate is used as a filler in powdered home laundry detergents.
- It is used in household cleaners.
- It is used as a fining agent which removes small air bubbles from molten glass.
- Glauber's salt, sodium sulphate decahydrate is used as a laxative which removes the certain drugs such as acetaminophen from the body.
- Manufacture of Kraft paper pulp used as raw material.
- It is used to dry organic liquids.
- Its other uses are animal feed, enzymes, steel-making processes, textile industries.

SECTION ④: HAZARD CLASSIFICATION

According to Regulation for sodium sulphate (EC) No. 1907/2006.
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

SECTION ⑤: HANDLING AND SAFETY MEASURES

- Although sodium sulfate is generally regarded as non-toxic, it should be handled with care. The dust can cause temporary asthma or eye irritation.
- Avoid contact with skin and eyes. If contacted

- with skin, remove affected person from the source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water.
- If contacted with eyes make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes.
 - If inhaled, move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
 - If ingestion occur then immediately rinse mouth and provide fresh air. Do not induce vomiting.
 - Thermal decomposition can lead to release of irritating and toxic gases e.g. SO₂, SO₃ and vapours.
 - Wear safety glasses with side shields (or goggles). Wear respiratory device with dust filter (P3) in case of insufficient ventilation. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
 - Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work place.
 - Provide good ventilation in process area to prevent formation of vapour.

SECTION ⑥: PACKING AND TRANSPORT INFORMATION

Sodium Sulphate is delivered in powdered form in 50 Kg bags.