

Material Safety Data Sheet	Sodium sulfate
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1 Product And Company Identification :	
Product Name	: Sodium sulfate
Other/Generic Names	: Sodium sulfate anhydrous
CAS No.	: 7757-82-6
Product use	: Sodium sulfate has been produced for many years in high volumes for use in detergents, glass and paper manufacture and a variety of smaller industrial uses
Supplier	Deepak Nitrite Ltd. Aaditya-I, National Highway No. 8, Chhani Road, Vadodara - 390 024, India Manufacturing facilities at : Vadodara, Roha, Talaja & Hyderabad. Contact no. : +91-9904406400
For Chemical Emergency	Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887

2 Hazard Identification :	
GHS classification (Classification according to Regulation (EC) No 1272/2008)	Hazard statement (s)
	Not a dangerous substance according to GHS.
ACUTE TOXICITY(oral/dermal/inhalation):	LD50(oral,mouse): 5989mg/kg (RTECS) LD50(ivn,rabbit): 1220mg/kg (RTECS)
Physical Hazards	Not classifiable
Health Hazards	Eye: May cause eye irritation.
Environmental Hazards	Skin: May cause skin irritation. Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Inhalation: May cause respiratory tract irritation.
EC classification (Classification according to Directive 67/548/EEC)	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 This substance is not classified as dangerous according to Directive 67/548/EEC. Label elements
R36 (Irritation to eyes)	The product does not need to be labeled in accordance with EC directives or respective national laws. Other hazards - none

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Hazard pictograms	Xi - Irritant 
Signal word	None listed

3 Composition / Information On Ingredients :

Chemical formula	: Na ₂ SO ₄
Common Name	: Sodium sulfate anhydrous
Synonyms	: Sodium sulfate Sodium sulfate anhydrous
Molecular weight	: 142.04
CAS No.	: 7757-82-6
Index No.	: EC INDEX NUMBER : Not listed
UN No.	: -
EINECS No.	: 231-820-9

4 First Aid Measures :

General Advice : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment. Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

Skin Contact : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

Eye Contact : Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

Ingestion : Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

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5 Fire Fighting Measures:

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards:

Not combustible.

Specific methods:

Ambient fire may liberate hazardous vapours. Fire may cause evolution of: Sulphur oxides

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental Release Measures :

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation of dusts.

Environmental precautions:

Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

7 Handling & Storage :

Handling

Information for safe handling:

Provide suction extractors if dust is formed.

No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

Storage :

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Recommended storage temperature: 15-25°C **Storage class:** 10-13

This product is hygroscopic. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from humidity and keep away from water.

8 Exposure Control / Personal Protection :

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Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Breathing equipment:

Use breathing protection with high concentrations.

9 Physical And Chemical Properties :

Appearance	: Solid / powder
Colour	: white
Odour	: odourless
pH (at 50 g/l) at 20 °C	: 5.2 – 8.0
Boiling Point/range	: not applicable, (decomposition)
Melting point	: 888 °C
Flash Point	: not applicable
Ignition temperature	: not applicable
Lower explosion limit	: Product is not explosive.
Upper explosion limit	: Product is not explosive.
Vapour Pressure	: No data available
Relative vapour density	: No data available
Density	: 2.70 g/cm ³ at 20 °C
Solubility	: Soluble in Water 200 g/l at 20 °C

10 Stability And Reactivity :

Conditions to avoid: Strong heating.

Materials to avoid Risk of explosion with: Aluminum

Hazardous decomposition products in the event of fire: See chapter 5.

Thermal decomposition > 890 °C

Further information : Hygroscopic

11 Toxicological Information :

Acute toxicity	: LD/LC50 values that are relevant for classification: Oral LD50 5989 mg/kg (mouse) Irritation of eyes mild unknown mg (rabbit) Symptoms: Possible damages:, Nausea, Vomiting
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	Skin irritation rabbit Result: No irritation Method: OECD Test Guideline 404 Primary irritant effect: No irritant effect. on the skin: Causes mild irritant effect. on the eye: Sensitization: No sensitizing effect known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
RTECS#	: WE1650000
Carcinogenicity	: Sodium sulfate -Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.
Health Warnings	No data available
Target organs	No data available

12 Ecological Information :

Acute fish toxicity	: Toxicity to fish LC50 Species: Gambusia affinis (Mosquito fish) Dose: 120 mg/Exposure time: 96 h (IUCLID)
Acute toxicity to aquatic invertebrates	: EC50Species: Daphnia magna (Water flea)Dose: 2.564 mg/Exposure time: 48 h (IUCLID) Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits.

13 Disposal Considerations :

Product :

Chemicals must be disposed of in compliance with the respective national regulations.

Packaging :

Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14 Transport Information :

UN No. :

Hazard Class :

Packing Group :

Not classified as dangerous in the meaning of transport regulations.

Land transport ADR/RID and GGVs/GGVE (cross-border/domestic)

ADR/RID-GGVs/E Class: None

Maritime transport IMDG/GGV Sea: None

IMDG/GGVSea Class: No

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR: None

ICAO/IATA Class: None

Transport/Additional information:

Not dangerous according to the above specifications.

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15 Regulatory Information :

Safety Information according to GHS

Hazard Statement (s) Not a dangerous substance according to GHS.

Precautionary Statement (s) Not a dangerous substance according to GHS.

Signal Word Not a dangerous substance according to GHS.

Hazard Pictogram(s):



RTECS# : No data available

GHS-Labeling

Not a dangerous substance according to GHS.

Labeling according to EC Directives

The product does not need to be labeled in accordance with EC directives or respective national laws. EC-No. 231-820-9

Hazard symbols : Xi Irritant

Risk phrases :

Safety phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection

WGK (Water Danger/Protection) CAS# 7757-82-6: 0

Canada: Listed on DSL/NDSL.

Not listed on Ingredient Disclosure List.

US : Listed on the TSCA inventory.

16 Other Information:

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