

Material Safety Data Sheet

Sodium Sulphate

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product identifier

Name of the Product: **SODIUM SULPHATE**

Relevant identified uses of the substance of the mixture and uses which are not advised

Manufacture of detergents: Filling agent

Manufacture of glass: Fining agent

Manufacture of kraft paper pulp: Raw material

Other:

- Animal feed
- Enzymes
- Steel-making processes
- Textile industry

Details of the supplier of the safety information sheet

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2. IDENTIFICATION OF THE HAZARDS

Classification of the substance: In accordance with regulation, this product is **not considered as a Hazardous Substance.**

Label elements: The substance does not require labelling as dangerous in accordance with the regulation.

Other hazards: No other risk is specified

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Chemical name: Anhydrous sodium sulphate

Chemical formula: Na₂SO₄

Molecular weight: 142.04

CAS Register: 7757-82-6

4. FIRST AID MEASURES

Description of first aid measures

Inhaled: Remove victim from exposure and into fresh air.

Skin contact:	No particular instructions have been specified.
Eye contact:	Wash immediately with abundant water during 15 minutes keeping eyes well open and providing medical attention.
Ingested:	Rince mouth with water.

Most important symptoms and effects, both acute and delayed

Laxative effect in large doses. In case of discomfort, seek medical attention.

Indication of any immediate medical attention and special treatment needed

No other indication is required.

5. FIREFIGHTING MEASURES

Extinguishing media:	All possible extinguishing media can be used.
Special hazards arising from the substance or mixture:	The product is not considered as flammable. But under the effects of heat, it may emit toxic gases.
Advice for firefighters:	Respiratory protection, eye protection, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection equipment and emergency procedures:

Avoid contact with eyes. Contain the contaminated area and restrict access to unauthorized persons.

Environmental precautions:

Prevent spillage from entering the sewer system or in the water flows. If not possible, dilute with water.

Methods and material for containment and cleaning up:

Recovery:	Collect the product using suitable media (broom, vacuum cleaner)
Cleaning:	Place the spilt product in a suitable container and label it correctly
Disposal:	Disposal of the material or solid waste at an authorized centre

Reference to other sections:

For more information, see Section 8

7. HANDLING AND STORAGE:

Precautions for safe handling

Technical measures:	No particular technical intervention is required
Precautions:	Avoid the formation or dispersion of dust into the atmosphere
Usage recommendation:	Respect the usage instructions

Conditions for safe storage, including any incompatibilities

Technical measures:	Keep containers sealed and stored in dry areas.
Incompatible substances:	See Point 10: Stability and Reactivity
Packaging conditions:	The product can be stored in common commercial containers.
Maximum quantities that can be stored:	Not applicable.
Packaging materials:	Plastic material (polythylene, polypropylene)

Specific end use(s)

No additional recommendations.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

TLV (Threshold Limit Value):	None
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Exposure controls

Technical measures:	Localise the source of dust emiddion. Ensure that the workspace is well ventilated
Collective emergency measures:	Emergency eyebath
Individual pretection	
Respiratory protection:	Anti-dust filter mask
Eye protection:	Safety goggles
Enviromental exposure controls:	No applicable legislation

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Powder or granules
Colour:	White
Odour:	Odourless

Other information

Flash point:	Not applicable
Explosive properties:	Non-explosive
Combustion temperature:	Non-combustible
Decomposition temperature:	1200 C

Solubility:

In water:	161 g/l at 20 C
In ethanol:	Insoluble
In glycol:	Insoluble
Distribution coefficient n-octanol/water:	Log Kow = -3 at 20 C
Hygroscopicity:	Hygroscopic product

10. STABILITY AND REACTIVITY

Reactivity:	No specified data
Chemical stability:	Stable at ambient temperatures and in normal usage conditions
Possibility of hazardous reactions:	No dangerous reaction is known under normal conditions of use
Conditions to avoid:	Keep away from moisture to prevent caking
Incompatible materials:	No specific data
Hazardous decomposition products:	Emits toxic gases through thermal pyrolysis decomposition (sulphur oxides)

11. TOXICOLOGICAL INFORMATION

Information of the toxicological effects

Accute toxicity:	It is neither considered toxic nor noxious. DL50 oral (rat): 10000mg/kg
Irritation:	May cause slight ocular and nasal mucous irritation by mechanical effect
CMR effects:	No Carcinogenic, Mutagenic, Reprotoxic effects described

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:	CE50 (Daphnia magna) / 48 hours: 4580 mg/l
Classification of substances:	WGK (Water Hazard Class): Class
Hazardous to Water (VwVwS):	Slightly hazardous for watre

Persistence and degradability

Anaerobic reduction by sulphate-reducing bacteria. In the presence of organic substances, sodium sulphate is reduced through the sulphur cycle.

Bioaccumulative potential

Non-bioaccumulable

Mobility in the soil

Easily penetrates the soil due to the effects of rain

Results of PBT and vPvB assessment

The product does not meet the criteria to be considered PBT or vPvB

Other adverse effects

Other effects have not been described

13. DISPOSAL CONSIDERATIONS

Waste treatment methods Deposit in an authorized centre for collection of Non-Hazardous Industrial Waste

NOTES:

The user must pay attention to the possible existence of local instructions and regulations related to suitable means of disposal.

14. TRANSPORT INFORMATION

By land (RID/ADR): Not applicable

By sea (OMI/IMDG): Not applicable

By air (OACI/IATA): Not applicable

DOT regulations: non-hazardous substance of transport

UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packaging group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable
Transport in bulk:	Not applicable

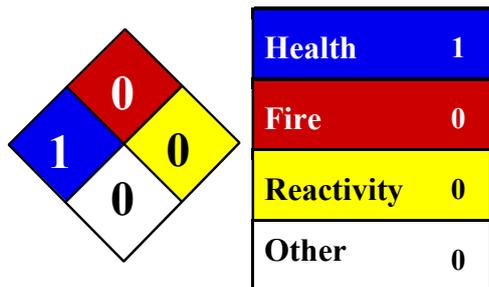
NOTES:

The applicable regulations on the matter are in force at the date of printing this data sheet

15. ECOLOGICAL INFORMATION

Regulations and legislation on the subject of safety, health and the environment

Classification of chemical products



AVERAGE DANGERS:

4 = EXTREME

3 = HIGH

2 = MODERATE

1 = LOW

0 = INSIGNIFICANT

Chemical safety assessment

Not a chemical safety assessment for this substance

16. OTHER INFORMATION

Version 1 of Safety Information Sheet

NOTES

If used for other purposes than those defined above, other risks may be present over and above specified in this document.

Users must know and apply all applicable regulations.

All the information included herein is based on current knowledge regarding the product in question at the time of printing this document.

This information must not be considered as decisive.

This information does not exempt users from taking all forms of precaution not mentioned above and related to the use of the product, for which they are solely responsible.