

SAFETY DATA SHEET

Regulation on Registration, Evaluation, Permission and Restriction of Chemicals (R.G. 23.12.2023- 32408)
EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007 Revision Date: 08.08.2024 Revision Number: 12 Page 1 / 7

1. IDENTIFICATION OF THE ITEM AND OF THE COMPANY/ DISTRIBUTOR

1.1 Item ID

Name of the product	Sodium Sulphate
Product Form	Anhydrous Fine Powder
CAS Number	7757-82-6
EC Number	231-820-9

1.2 Identified uses of the substance and uses advised against

Identified uses: Paper industry, Textile and paint industry, Detergent and Glass industries.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance

The product is not classified as harmful under the provisions of Regulation (SEA) 28848/2013 (T.C.) (and subsequent amendments and supplements).

2.2 Label Elements

The product is not classified as harmful under the provisions of Regulation (SEA) 28848/2013 (T.C.) (and subsequent amendments and supplements).

2.3 Other Damages

It has no application.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Materials

Formula	Na ₂ SO ₄
Molecular weight	142,04 g/mol
CAS-No.	7757-82-6
EC-No.	231-820-9
Concentration	≥ 99,5 %

SAFETY DATA SHEET

Regulation on Registration, Evaluation, Permission and Restriction of Chemicals (R.G. 23.12.2023- 32408)
EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007 Revision Date: 08.08.2024 Revision Number: 12 Page 2 / 7

3.2 Mixtures

Not applicable.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General recommendation	Consult the doctor. This is when you consult your doctor. Show the safety data sheet.
If inhaled	If inhaled, remove casualty to fresh air. If breathing has stopped, give artificial respiration. Consult the doctor.
In case of skin contact	Wash with soap and plenty of water. Consult the doctor.
In case of eye contact	Wash with plenty of water. Remove contact lenses, if present.
If swallowed	Get medical advice/help. Try to induce vomiting only on doctor's advice. If the person is unconscious, do not give anything by mouth.

4.2 Most important symptoms and effects, both acute and delayed

No known health hazards from the product.

4.3 Early Signs of Need for Medical Intervention and Special Treatment

It has no application.

5. FIRE FIGHTING MEASURES

5.1 Fire Extinguishers

Suitable Extinguishing Agents:	Fire-fighting equipment is the most commonly used types: carbon dioxide, foam, powder and water vapour.
Unsuitable Extinguishing Agents:	No particularly unsuitable equipment.

5.2 Special Hazards Caused by the Substance or Mixture

Sulfur oxides
Sodium oxide
Not flammable.
Fire may cause evolution of: Sulfur oxides
All-round fire can release dangerous vapors.

5.3 Advice for Fire Fighters

Use a complete mask with oxygen cylinders when necessary to extinguish the fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Be careful not to create dust. Avoid breathing vapours, fumes or gas.

6.2 Environmental Precautions

Be careful not to get into the sewer.

6.3 Methods and Materials for Conservation and Cleaning

Sweep and shovel. Store the waste in closed containers suitable for this work.

6.4 References to Other Sections

See section 13 for waste disposal.

SAFETY DATA SHEET

Regulation on Registration, Evaluation, Permission and Restriction of Chemicals (R.G. 23.12.2023- 32408)
EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007 Revision Date: 08.08.2024 Revision Number: 12 Page 3 / 7

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

In places where dust is formed, there should be an appropriate exhaust ventilation system. For precautions see section 2.2

7.2 Conditions for Safe Storage, Including Incompatibilities

Keep container tightly closed in a dry or well-ventilated place.

7.3 Specific End Uses

No use is contemplated other than the use described in section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no ingredients with exposure limits.

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

General industrial hygiene practices

8.2.2 Personal Protective Equipment

Eye/face protection	Use eye protection equipment tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU).
Skin protection	Wear nitrile rubber gloves when handling. Gloves should be checked before use. The selected protective gloves must comply with the EU Directive 89/686/EEC and the EN 374 standards based on this directive.
Body and skin protection	Select appropriate body protection according to the type, concentration, amount and workplace conditions of the dangerous substance. .
Respiratory protection	It is enough to use a dust mask .
Environmental exposure control	If there is no safety hazard, prevent further leakage or spillage. Be careful not to get into the sewer.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance Physical State:	Fine and flowing powder
Colour:	White
Smell:	Odorless
pH:	6.5 – 8 (in 1% solution at 20&25°C)
Boiling Point:	It has no application.
Melting Point:	884 °C
Flash Point:	It has no application.
Evaporation Point:	It has no application.
Flammability Temperature:	The substance is not flammable.
Bulk Density:	1,5 ± 0,1 g/cm3 (20 °C)
Solubility in Water:	184 g/l (20°C) 263 g/l (25°C) 440 g/l (32°C) (optimum resolution)
Decomposition Temperature:	It has no application.
Auto Ignition Temperature:	It has no application.
Flammability Properties:	It has no application.
Oxidizing Properties:	It has no application.

SAFETY DATA SHEET

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EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007 Revision Date: 08.08.2024 Revision Number: 12 Page 4 / 7

9.2. Other Informations

It has no application.

10. STABILITY AND REACTIVITY

10.1 Reaction

It has no application

10.2 Chemical Stability

Chemically stable under standard ambient conditions (room temperature and proper storage).

10.3 Possibility of Harmful Reaction

It has no application.

10.4 Conditions to avoid

Aqueous mixtures damage concrete structures.

10.5 Substances to Avoid

It has no application

10.6 Harmful Decomposition Products

During the fire see: Chapter 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxic Effects

Acute toxicity:

Acute oral toxicity
LD 50 rat > 2000 mg/kg (OECD Test guide 423)
Symptoms / Possible harms: Nausea, Vomiting

Acute respiratory toxicity
LC 50 rat > 2.4 mg/L (OECD test guide 436 (ECHA))

Skin Corrosion/Irritation

Skin-Rabbit
Result: No Skin Irritation. (OECD Test Guideline 404(ECHA))

Serious eye damage/irritation

Eyes-Rabbit
Result: No eye irritation (Guideline EU Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)Cited as Directive 84/449/EEC, B.5 (ECHA))

Respiratory or Skin sensitization

Maximization Test (GPMT – guinea pig)
Result: Does not cause skin sensitization. (OECD Test Guideline 406)

Germ Cell Mutagenicity

Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Results: negative
Notes: (ECHA)

SAFETY DATA SHEET

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EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007 Revision Date: 08.08.2024 Revision Number: 12 Page 5 / 7

Test Type: In vitro mammalian cell gene mutation test
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guidelines 476
Results: negative

Test Type: In vitro chromosomal aberration test
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guidelines 473
Results: negative

Carcinogenicity

It has no application.

Specific target organ Toxicity (single exposure)

It has no application.

Specific target organ Toxicity (repeated exposure)

It has no application.

Aspiration Damage

It has no application.

11.2 Additional Info

Harmful effects are unlikely to occur when the product is used appropriately.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish
LC50-Gambusia affinis (mosquitofish) -120 mg/l-96 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates
EC50-Daphnia magna (Water flea)-2.564 mg/l-48 h (ECHA)

Toxicity to bacteria
NOEC - activated sludge - ca. 8 mg/l - 37 d (ECHA)

12.2 Persistence and Degradability

Methods for determining natural degradation are not applicable to inorganic substances.

12.3 Bioaccumulation Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vP vB Assessment

PBT/vPvB assessment; not available as chemical safety assessment is not required/applied.

12.6 Endocrine Disrupting Properties

No data available.

12.7 Other Adverse Effects

No data available.

Do not allow to enter waters, wastewater or soil.

SAFETY DATA SHEET

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EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007

Revision Date: 08.08.2024

Revision Number: 12

Page 6 / 7

13. DISPOSAL INFORMATION

13.1 Waste Treatment Methods

Product Disposal:

Waste and non-recoverable solutions should be disposed of in accordance with the Directive No. 2008/98/EC and other national and local regulations (Waste Management Regulation, 02.04.2015, R.G. 29314). Leave chemicals in original containers.

Packaging Disposal:

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN Number

ADR/RID : -

IMDG : -

IATA :-

14.2 UN proper shipping name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.3 Transport hazard class(es)

ADR/RID : -

IMDG : -

IATA : -

14.4 Packing group

ADR/RID : -

IMDG : -

IATA :-

14.5 Environmental hazards

ADR/RID: No

IMDG Marine Pollutant: No

IATA: No

14.6 Special precautions for the user

No data available.

14.7 Public Transport According to Annex II of MARPOL 73/78 and IBC Code

It has no application.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental legislation specific for the substance or mixture

This substance safety data sheet complies with the requirements of EU Regulation 1907/2006.

National laws:

This safety data sheet has been prepared in accordance with the Regulation on Classification, Labeling and Packaging of Substances and Mixtures (R.G. 11.12.2013-28848), Regulation on Registration, Evaluation, Permission and Restriction of Chemicals (R.G. 23.12.2023- 32408), Waste Management Regulation (R.G. 01.04.2015 – 29314).

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product in accordance with EU REACH Regulation 1907/2006.

SAFETY DATA SHEET

Regulation on Registration, Evaluation, Permission and Restriction of Chemicals (R.G. 23.12.2023- 32408)
EU REACH Regulation (1907/2006)

SODIUM SULPHATE

Preparation Date: 01.05.2007 Revision Date: 08.08.2024 Revision Number: 12 Page 7 / 7

16. OTHER INFORMATION

Disclaimer

The information in this Safety Data Sheet has been obtained from sources we believe to be reliable. However, they are provided without any express or implied warranty as to their accuracy. The conditions or methods of handling, storage, use or disposal of the product may not be beyond our control or knowledge. Due to these and similar reasons, we decline responsibility for any loss or damage that may arise from the handling, storage, use or disposal of the product. This Safety Data Sheet has been prepared for the use of this product only. If the product is used as an ingredient in another product, the information in this Safety Data Sheet may be invalid.