

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

SODIUM SULPHATE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation SODIUM SULPHATE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Sector of uses [SU]

SU3 Industrial uses

SU5 Manufacture of textiles, leather, fur

SU6b Manufacture of pulp, paper and paper products

Product categories [PC]

PC35 Washing and cleaning products (including solvent based products)

PC0 Other

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

remark

This substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

No data available

2.3 Other hazards

Other adverse effects

None

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

Sodium sulphate

>=99 %

CAS 7757-82-6

EC 231-820-9

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

If decomposition products are inhaled the following symptoms can occur:

Nausea
Vomiting
Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
Extinguishing powder
Carbon dioxide (CO₂)
Water mist

Unsuitable extinguishing media

none

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Sulphur dioxide (SO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures

Remove persons to safety.

Personal precautions

Use personal protection equipment.

Protective equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders

Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

No data available

6.4 Reference to other sections

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling

Wear personal protection equipment (refer to section 8).

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class

Non-combustible solids

Further information on storage conditions

Protect against:

Humidity

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits at intended use

air limit values

Limit value type (country of origin):

AGW (DE)

remark

none

Limit value type (country of origin):

TWA (EC)

remark

none

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses

Dust protection eye glasses

Skin protection

Suitable material:

NBR (Nitrile rubber)

CR (polychloroprene, chloroprene rubber)

NR (natural rubber, natural latex)

Respiratory protection

Respiratory protection necessary at:

dust formation

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Powder

Colour

white

Odour

Odourless

		parameter	Method - source - remark
pH	5 - 7	Temperature 20 °C Concentration (g/L) 100 g/L	pH meter
Melting point/freezing point	884 °C		Melting point
Initial boiling point and boiling range			not determined
Flash point (°C)			not relevant
Evaporation rate			not determined
flammability			not determined
Upper explosion limit			not relevant
lower explosion limit			not relevant
Vapour pressure			not determined
Vapour density			not determined
Density	2,7 g/cm ³		Density
Density	1,25 - 1,6 g/mL		Bulk density
Fat solubility (g/L)			not determined
Water solubility (g/L)	185 g/L		
Soluble (g/L) in			not determined
Partition coefficient: n-octanol/water			not determined
Auto-ignition temperature			not relevant
Decomposition temperature			not determined

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Reaction takes place at temperatures above:

884°C

10.5 Incompatible materials

Materials to avoid

Aluminium

10.6 Hazardous decomposition products

Decomposition takes place from temperatures above:

890°C

Sulphur dioxide (SO₂)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

ingredient Sodium sulphate

Acute oral toxicity 6000 mg/kg

Effective dose

LD50:

Species:

Mouse

skin corrosion/irritation

Assessment/classification

Not an irritant.

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

No

Skin sensitisation

Assessment/classification

No

SECTION 12: Ecological information

Additional information

Schädigende Wirkung durch pH-Verschiebung

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity 13500 mg/L

Test duration 95 h

species

Lepomis macrochirus (Bluegill)

Acute (short-term) toxicity to crustacea 4547 mg/L

Effective dose

EC50

Test duration 100 h

species

Daphnia magna (Big water flea)

12.2 Persistence and degradability

Biodegradation

remark

Inorganic product which is not eliminable from water through biological cleaning processes.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name			
14.3 Class(es)			
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

Additional information

All transport carriers

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

National regulations

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

See overview table at www.euphrac.eu

Indication of changes

Safety datasheet was completely revised