

Sodium Sulphite (Anhydrous)

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

1.1 Product identifier

Product name: Sodium Sulphite
CAS Number: 7757-83-7
EC Number: 231-821-4

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

Product use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
Miranda House, The Quay
Harwich, Essex, CO12 3HH
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Pictogram



Signal Word

Warning

2.3 Other hazards

EUH031 Contact with acids liberates toxic gas

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contact with acids liberates toxic gas.

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Section 3: Composition/information on ingredients

3.1 Substances

Formula:	Na ₂ SO ₃
Molecular weight:	126.04 g/mol
CAS-No.:	7757-83-7
EC-No.:	231-821-4

No components need to be disclosed according to the applicable regulations.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation

Move the exposed per to fresh air. If breathing stops, provide artificial respiration.

Eye contact

Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

Skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

Ingestion

DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention.

General information

If you feel unwell, seek medical advice (show the label where possible)

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Dry powder

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

5.2 Special hazards arising from the substance or mixture

Sulphur oxides, Sodium oxides



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5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

5.4 Further information

No data available

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Avoid breathing vapours, mist or gas. Avoid formation of dust. Ensure adequate ventilation of the working area. Evacuate personnel to a safe area.

6.2 Environmental precautions

If safe to do so, prevent further leakage or spillage. Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Never carry a bottle by its top. Avoid formation of dust. Ensure adequate ventilation of the working area.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry and well-ventilated area. Keep in properly labelled containers. Never allow product to get in contact with water during storage. Do not store near acids. Air and moisture sensitive. Storage class (TRGS 510): Non-Combustible Solids

General principles of chemical storage

Store the minimum stock levels of hazardous chemicals, always disposing of chemicals that are no longer required. Store large breakable containers, particularly of liquids, below shoulder height. Ensure containers and bottle tops are sealed properly to avoid unnecessary leakage of vapours. Ensure hazard labels are clear and never store in direct sunlight.

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Exposure limit values

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ppm
mg/m³

Long Term (8hr TWA)

N/A
N/A

Short Term (15 min period STEL)

N/A
N/A



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8.2 Exposure controls

Engineering Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the working day. Ensure adequate ventilation of the working area. Ensure quickly accessible eye-wash stations are available.

Eye/Face protection

Wear appropriate well-fitting protective eyeglasses or chemical safety goggles as described by EN166 (EU Standard)

Skin/Hand protection Wear appropriate protective gloves and clothing to prevent skin exposure. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

Use a EN149 (EU Standard) approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: solid
Odor	No data available
Odor Threshold	No data available
pH	9.0 - 10.5 at 126 g/l at 25 °C
Melting Point/Freezing Point	Decomposes before melting
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	The product is not flammable
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	2.630 g/cm ³
Water Solubility	126 g/l at 20 °C - completely soluble
Partition Coefficient: n-octanol/water	No data available
Auto-ignition temperature	Does not ignite
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing



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9.2 Other safety information

No data available

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Exposure to air may affect product quality. Exposure to moisture may affect product quality

10.5 Incompatible materials

Acids, Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sulphur oxides, Sodium oxides In the event of fire: see section 5

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity

LD50 Oral - Rat - 3,560 mg/kg (Sodium sulphite)

LC50 Inhalation - Rat - 4 h - > 5,500 mg/m³(Sodium sulphite)

LD50 Dermal - Rat - > 2,000 mg/kg (Sodium sulphite) (OECD Test Guideline 402)

Skin corrosion/irritation

Skin – Rabbit (Sodium sulphite)

Result: No skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes – Rabbit (Sodium sulphite)

Result: Mild eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. (Sodium sulphite) in vivo assay – Mouse (Sodium sulphite)
Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

No data available (Sodium sulphite)

Carcinogenicity

This product is or contains a component that is not classifiable as to its classification. (Sodium sulphite)
(Sodium sulphite)

IARC:

3 Group 3: Not classifiable as to its carcinogenicity to humans (Sodium sulphite)

Reproductive toxicity

No data available (Sodium sulphite)

Specific target organ toxicity - single exposure

No data available (Sodium sulphite)



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Specific target organ toxicity - repeated exposure No data available
 Aspiration hazard No data available (Sodium sulphite)

Additional Information

RTECS: WE2150000

May cause irritation of the: Gastrointestinal tract, violent colic, Diarrhoea, Disturbance of: circulatory system, Central nervous system depression, death, Persons with allergies and/or asthma may exhibit hypersensitivity to sulphites., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Sodium sulphite) Liver - Irregularities - Based on Human Evidence (Sodium sulphite)

Section 12: Ecological Information

12.1 Toxicity

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 660mg/l – 96h (Sodium sulphite)

12.2 Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available (Sodium sulphite)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

Section 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information

14.1 UN number

ADR/RID: - IMDG: - IATA: -



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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 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

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

Labelling according to Regulation (EC) No 1272/2008.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16: Other Information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.