

Material Safety Data Sheet

Section1. Product Information and Company Identification			
Product name	Sodium Sulphite		
Mol.formula	Na ₂ SO ₃	CAS NO	7757-83-7
Mol.wt	126g/mol		
Manfature name	Pioneers for laboratory chemicals		
Brand name	Piochem		
Address	Area 540, Industrial Zone 6 th October city Giza, Egypt.		
Website	www.piochem.com		
E-mail	info@piochem.com		
Phone number	+201225728304 , +201023932115		

SECTION 2: Hazards 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 Labelling according Regulation (EC) No 1272/2008

Pictogram none Signal word

none

Hazard statement(s) none

Precautionarystatement(s) none

Supplemental Hazard information (EU)

EUH031 Contact with acids liberates toxic gas.

2.3 Other hazards

This substance/mixturecontains 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.

SECTION 3: Composition/information on ingredients 3.1 Substances

Formula : Na₂SO₃

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 General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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**

Dry powder

5.2 Special hazards arising from the substance or mixture

Sulphur oxides, Sodium oxides **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 respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection 8.1 Control parameters 8.2 Exposure controls Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If the full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties

- | | |
|---|---------------------------------------|
| a) Appearance | Form: solid |
| b) Odour | No data available |
| c) Odour Threshold | No data available |
| d) pH | 9.0 - 10.5 at 126 g/l at 25 °C |
| e) Melting point/freezing point | Decomposes before melting. |
| f) point | Not applicable |
| Initial boiling point and boiling range | |
| g) Flash point | No data available |
| h) Evaporation rate | No data available |
| i) Flammability(solid, gas) | The product is not flammable. |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Relative density | 2.630 g/cm ³ |
| n) Water solubility | 126 g/l at 20 °C - completely soluble |
| o) Partition coefficient: noctanol/water | No data available |
| p) Auto-ignition temperature | available |
| q) Decomposition temperature | does not ignite |
| r) Viscosity | No data available |
| s) Explosive properties | Not explosive |

- t) Oxidizing properties The substance or mixture is not classified as oxidizing.

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)

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) **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 sulfites., 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) - 660 mg/l - 96 h(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: -

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

SECTION 15: Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out