



Gelpke & Bate
Limited

SAFETY DATA SHEET SODIUM METABISULPHITE

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

1.1. Product identifier

Product name SODIUM METABISULPHITE
CAS number 7681-57-4
EU index number 016-063-00-2
EC number 231-673-0

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

1.3. Details of the supplier of the safety data sheet

Supplier Gelpke & Bate Limited
Camomile House
Kings Cross Lane
South Nutfield
Redhill
Surrey, RH1 5NG
T: 01737 822244
F: 01737 822081
sales@gelpkeandbate.co.uk

1.4. Emergency telephone number

Emergency telephone Emergency Telephone Number +44 (0) 1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Eye Dam. 1 - H318 Acute Tox. 4 - H302
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R41 R31

2.2. Label elements

EC number 231-673-0

Pictogram



Signal word Danger

Hazard statements H302 Harmful if swallowed.
H318 Causes serious eye damage.

2.3. Other hazards

SODIUM METABISULPHITE

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	SODIUM METABISULPHITE
EU index number	016-063-00-2
CAS number	7681-57-4
EC number	231-673-0

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air at once. Give plenty of water to drink. Get medical attention.
Inhalation	No hazards to be mentioned.
Ingestion	Do not induce vomiting unless under the direction of medical personnel.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards May have irritant effect on eyes and on air passages.

5.3. Advice for firefighters

Special protective equipment for firefighters Handle in accordance with good industrial hygiene and safety practice. Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Chemical splash goggles. Eyewash bottle with clean water.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Do not create a powder cloud by using a brush or compressed air. Contact waste disposal services.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

SODIUM METABISULPHITE

Usage precautions Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wash skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from moisture. Keep away from acids. Keep away from food and drink. Avoid contact with oxidising agents.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Eye/face protection Wear approved safety goggles.

Hand protection Wear appropriate gloves.

Other skin and body protection Wash hands after contact.

Respiratory protection Avoid breathing dust. Wear a suitable dust mask.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Solid.

pH (@3.5 g/l H₂O) 5.00

Melting point 150°C

Initial boiling point and range Not applicable.

Relative density 1.48 @ 15°C

Solubility(ies) Completely soluble in water.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under normal conditions

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid humid conditions

10.5. Incompatible materials

Materials to avoid Strong acids. Strong bases

10.6. Hazardous decomposition products

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Hazardous decomposition products irritant fumes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) TDL. Oral, rat 20 gm/kg. (Lit data). LD₅₀/oral/rat = 1540 m.kg (Lit data).

Inhalation May cause irritation of respiratory tract. May cause irritation of the mucous membranes.

Ingestion Poisonous by ingestion. Effects due to ingestion may include muscle weakness, paresthesias and paralysis.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact Dust may cause slight irritation.

SECTION 12: Ecological Information

Ecotoxicity Degrades to form sulphates in the natural environemtn. Will deplete oxygen levels in water courses.

12.1. Toxicity

Acute toxicity - fish LC50/96h/fish = 150-220 mg/l (Lit data)

Acute toxicity - aquatic invertebrates EC50/96h/Daphnia = 150-220 mg/kg (Lit data)

12.2. Persistence and degradability

Biodegradation Readily Biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Labels should not be removed from containers until they have been cleaned, empty containers may contain hazardous residues. Dispose of waste product or used containers in accordance with local regulations

Disposal methods Send to a registered waste disposal site using the services of a registered waste disposal contractor. Dispose of waste product or used containers in accordance with local regulations

Waste class Dispose of this material and its container to hazardous or special waste collection point. Control of Pollution (Special Waste) Regulations 1980 (as amended).

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2. UN proper shipping name

SODIUM METABISULPHITE

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations

Control of Pollution Act 1974.
Control of Pollution (Special Waste) Regulations 1980 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
Dangerous Substances (Notification & Marking of Sites) Regulations 1990 SI 304
Environmental Protection Act 1990. (As Amended)
Environmental Protection (Duty of Care) Regulations 1991. (As Amended)
The Chemicals (Hazard Information & Packaging) Regulations 2002. (As Amended)
The Carriage of Dangerous Goods (Classification Packaging & Labelling) & Use of Transportable Pressure Receptables Regulations 1996/2092. (As Amended)
The Carriage of Dangerous Goods by Road Regulations 1996/2095 (As Amended)
The Carriage of Dangerous Goods by Rail Regulations 1996/2089. (As Amended)
Special Waste Regulations 1996. (As Amended)
CLP - Classification, Labelling and Packing Regulation [Regulation (EC) No. 1272/2008]

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments

This issue replaces previous issue to comply with CLP

Risk phrases in full

R22 Harmful if swallowed.
R31 Contact with acids liberates toxic gas.
R41 Risk of serious damage to eyes.

Hazard statements in full

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Issue Date

30/10/15

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.