

SAFETY DATA SHEET

Section 1. Identification

Product name : Sodium metabisulfite

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

Identified uses : Laboratory chemicals, manufacture of substances
Creation date : 04/17/2015
Print date : 04/17/2015
Version : 1.0
Supplier's details : Deep South Chemical, Inc. 229 Millstone Road, Broussard LA 70518
For Product Information/MSDSs Call: 337-837-9931
Emergency telephone number (with hours of operation) : CHEMTREC 800-424-9300 (U.S. 24 hour)
(001)281-276-5400
CANUTEC 613-996-6666 (Canada 24 hours)
CHEMTREC Int'l 01-703-527-3887 (International 24 hour)

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Acute toxicity, Oral (Category 4), H302
Serious eye damage (Category 1), H318
Acute aquatic toxicity (Category 3), H402

2.2 GHS label elements



Hazard pictograms :

Signal Word : Danger

Hazard statements

H302 Harmful if swallowed
H318 Causes serious eye damage
H402 Harmful to aquatic life

Precautionary statements

P264 Wash exposed skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P273 Avoid release to the environment
P280 Wear eye protection/face protection
P301+P312+P330 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
P305+P310+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
P501 Dispose of contents in accordance with local, state and federal regulations.

Classification system

NFPA ratings: Health (2) Fire (0) Reactivity (0)

Hazards not otherwise classified : No additional information.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Ingredient name	%	CAS number
Sodium metabisulfite	100	7681-57-4

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 15 minutes. Check for and remove any contact lenses. Immediately call a Poison Center or doctor/physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or doctor/physician.
Skin contact	Flush contaminated skin with water for 15 minutes. Do not apply chemical neutralizing agents. Remove contaminated clothing and shoes while washing. Do not remove clothing if it sticks to the skin. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Never give anything to an unconscious person. Rinse mouth with water. Seek medical attention. DO NOT INDUCE VOMITING.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Symptoms/injuries	Causes eye damage and harm if swallowed.
Eye contact	Causes eye irritation.
Inhalation	Can be harmful if inhaled. Can cause respiratory tract irritation.
Skin contact	Can cause skin irritation if absorbed.
Ingestion	Can be harmful if ingested.

Chronic symptoms No additional information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Dry powder**Unsuitable extinguishing media** No unsuitable extinguishing media known.

5.2 Specific hazards arising from the chemical

Sulfur oxides, sodium oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.1.2 For emergency responders

Equip cleanup crew with proper protection. Ventilate area. Stop leak if safe to do so.

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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.

Section 7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including incompatibilities

Comply with applicable regulations. Keep only in the original container in a cool, well ventilated area away from strong acids and bases, sources of ignition, heat sources, combustible materials and metals. Keep container closed when not in use. Suitable packaging materials include stainless steel, nickel, polyethylene, polypropylene, glass and stoneware. Unsuitable include lead, aluminum, copper, tin, zinc and bronze.

Section 8. Exposure controls/personal protection

8.1 Control parameters

7681-57-4 Sodium Metabisulfite

TLV (ACGIH) STEL: 5 mg/m³

TLV (ACGIH) TWA: 5 mg/m³

8.2 Exposure controls

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Personal protective equipment

Avoid all unnecessary exposure.

Eye/face protection

Face shield and safety glasses.

Hand protection

Chemical-resistant gloves: rubber gloves/Neoprene gloves.

Skin protection

Corrosion-proof clothing.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type.

Section 9. Physical and chemical properties

Physical state	: Powder
Color	: Off white
Odor	: Pungent, slight sulfur
pH	: 4.5 at 50 g/L
Melting/freezing point	: >572
Boiling point	: No data available
Flash point	: No data available
Evaporation rate	: No data available (butyl acetate = 1)
Flammability	: No data available
Lower and upper explosive limits	: No data available
Vapor pressure	: Not determined
Vapor density	: No data available (Air = 1.0)
Relative density	: 1.480 at 68°F
Density	: 12.343 lbs/gal
Solubility in water	: 650 g/L at 68°F
Partition coefficient n-octanol/water	: log Pow: -3.7 at 77°F
Auto-ignition temp.	: No data available
Decomposition temp.	: No data available
Viscosity	: No data available
VOC	: Not applicable

Section 10. Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Exposure to moisture and air.

10.5 Incompatible materials

Strong acids and oxidizing agents.

10.6 Hazardous decomposition products

No data available

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Data:

Sodium Metabisulfite (7681-57-4):	LD50 oral rat 1,540 mg/kg
	LD50 dermal rat >2,000 mg/kg

Serious eye damage/eye irritation

Eyes-Rabbit: Risk of serious damage to eyes.

Additional information

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Section 12. Ecological information

Sodium Metabisulfite (7681-57-4)

LC50 fishes	150-220 mg/L 96 hr; Rainbow trout
EC50 other aquatic	89 mg/L 24 hr; Daphnia magna
IC 50 algae	48 mg/L 72 hr; green algae
LC50 bacteria	56 mg/L 17 hr; Pseudomonas putida

Section 13. Disposal considerations

Disposal methods Dispose of contents/container to comply with local, state and federal regulations. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

Section 14. Transport information

DOT Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods

Section 15. Regulatory information

Toxic Substances Control Act (TCSA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ-40 CFR 302.4(a)

Component

None

CERCLA RQ (lbs)

SARA 302 Components-40 CFR 355 Appendix A

Component

None

TPQ(Threshold Planning Quantity) (lbs)

Section 311/312 Hazard Class-40 CFR 370.2

Immediate (X)

Delayed (X)

Fire ()

Reactive ()

Sudden Release of Pressure ()

SARA 313-40 CFR 372.65

Component

None

CAS Number

%(by weight)

Section 16. Other information

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