

SAFETY DATA SHEET

Sodium Bisulphite Solution

Page 1
Issued: 03/01/2023
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product identifier:

Identification of the substance:

Trade name: SODIUM BISULPHITE SOLUTION
CAS number: 7631-90-5
EC number: 231-548-0
Index 67/548/EEC: 016-064-00-8
REACH number: 01-2119524563-42-XXXX

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

Recommended use: Food additive.
For industrial use.

Company name: Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

EC regulation criteria 1272/2008 (CLP): Warning, Acute Tox. 4, Harmful if swallowed.
EUH031 Contact with acids liberates toxic gas.

Adverse physicochemical, human health and environmental effects: No other hazards

Label elements:

Hazard pictograms:



Warning

SAFETY DATA SHEET

Sodium Bisulphite Solution

Issued: 03/01/2023

Page 2

Hazard statements: H302 Harmful if swallowed.

Precautionary statements: P264 Wash ... Thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 Rinse mouth.

Special Provisions: EUH031 Contact with acids liberates toxic gas.

Special provisions according to Annex XVII of REACH and subsequent amendments: None.

Other hazards:

vPvB Substances: None.

PBT Substances: None.

Other Hazards: No other hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Trade name: SODIUM BISULPHITE SOLUTION

CAS number: 7631-90-5

EC number: 231-548-0

REACH number: 01-2119524563-42-XXXX

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Identification No.	Classification
>=30% - 40%	Sodium Hydrogensulphite; Sodium bisulphite	Index no.: 016-064-00-8	3.1/4/Oral Acute Tox. H302
		CAS: 7631-90-5	EUH031
		EC: 231-548-0	
		REACH no.: 01-2119524563-42-XXXX	

Mixtures: N.A.

4. FIRST AID MEASURES

Description of first aid measures:

In case of skin contact: Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose of safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

[cont...]

SAFETY DATA SHEET

Sodium Bisulphite Solution

Issued: 03/01/2023

Page 3

In case of Ingestion: Drink plenty of water.

In case of Inhalation: Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms and effects, both acute and delayed: None.

Indication of any immediate medical attention and special treatment needed:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: None.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Water.
Carbon dioxide (CO₂).
Dry chemical.

Extinguishing media which must not be used for safety reasons: None in particular.

Special hazards arising from the substance or mixture: Do not inhale explosion and combustion gases.

Advice for firefighters: Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately.
This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

Environmental precautions: Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: Absorbing material, organic, sand.

Methods and material for containment and cleaning up: Wash with plenty of water.

Reference to other sections: See also section 8 and 13.

[cont...]

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.

Advice on general occupational hygiene: Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities:
Store below 30°C
Keep away from food, drink and feed.
Keep away from acids.
Keep away from oxidising agents.

Instructions as regards storage premises: Adequately ventilated premises.

Specific end use(s): None in particular.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

SODIUM BISULPHITE SOLUTION - CAS: 7631-90-5
ACGIH - TWA(8h): 5 mg/m³ - Notes: A4 - Skin, eye, and URT irr

Sodium Hydrogensulphite; Sodium Bisulphite - CAS: 7631-90-5
ACGIH - TWA(8h): 5 mg/m³ - Notes: A4 - Skin, eye, and URT irr

DNEL Exposure Limit Values: N.A.

PNEC Exposure Limit Values: N.A.

Exposure controls

Eye protection: Not needed for normal use. Operate according to good working practices.

Protection for skin: Use clothing that provides comprehensive protection to the skin, e.g., cotton, rubber, PVC or viton.

Protection for hands: Use protective gloves that provides comprehensive protection, e.g., P.V.C., neoprene or rubber.

Respiratory protection: Not needed for normal use.

Thermal Hazards: None.

Environmental exposure controls: None.

Appropriate engineering controls: None.

SAFETY DATA SHEET

Sodium Bisulphite Solution

Issued: 03/01/2023

Page 5

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid	--	--
Odour:	Pungent	--	--
Odour threshold:	2 ppm (SO ₂)	--	--
pH:	3.5 - 5.0	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.10 - 1.35	--	--
Solubility in water:	0-100%	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	N.A.	--	--

Other information:

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	Not Relevant	--	--
Conductivity:	Not Relevant	--	--
Substance Groups relevant properties:	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No.

Conditions to avoid: Stable under normal conditions.

Incompatible materials: Acids, alkalis and oxidising agents.

Hazardous decomposition products: Toxic gas.

[cont...]

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Toxicological information of the product:

SODIUM BISULPHITE SOLUTION

CAS: 7631-90-5

- a) Acute toxicity:** The product is classified: Acute Tox. 4 H302
Test: LD50
Route: Oral
Species: Rat = 1540 mg/kg
- b) Skin corrosion/irritation:** Not classified
Based on available data, the classification criteria are not met
- c) Serious eye damage/irritation:** Not classified
Based on available data, the classification criteria are not met
- d) Respiratory or skin sensitisation:** Not classified
Based on available data, the classification criteria are not met
- e) Germ cell mutagenicity:** Not classified
Based on available data, the classification criteria are not met
- f) Carcinogenicity:** Not classified
Based on available data, the classification criteria are not met
- g) Reproductive toxicity:** Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure:** Not classified
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure:** Not classified
Based on available data, the classification criteria are not met
- j) Aspiration hazard:** Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product: N.A.

12. ECOLOGICAL INFORMATION

Toxicity: Adopt good working practices, so that the product is not released into the environment.

SODIUM BISULPHITE SOLUTION

CAS: 7631-90-5

Not classified for environmental hazards.

Based on available data, the classification criteria are not met.

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 150-220 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 89 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 48 mg/l - Duration h: 72

Endpoint: EC50 - Species: Bacteria = 56 mg/l - Duration h: 17

Persistence and degradability: N.A.

Bioaccumulative potential: N.A.

Mobility in soil: N.A.

Results of PBT and vPvB assessment: None.

vPvB Substances: None - **PBT Substances:** None.

Other adverse effects: None.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number: Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name: N.A.

Transport hazard class(es): N.A.

Packing group: N.A.

Environmental hazards: N.A.

Special precautions for user: N.A.

Transport in bulk according to Annex II of Marpol and the IBC Code: N.A.

SAFETY DATA SHEET
Sodium Bisulphite Solution

Issued: 03/01/2023

Page 8

15. REGULATORY INFORMATION

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Directive 2012/18/EU (Seveso III).

Regulation (EC) no 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive).

Provisions related to directive EU 2012/18 (Seveso III): N.A.

Chemical safety assessment: A Chemical Safety Assessment has been carried out for the mixture.

Note: The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

[final page]