

Infosafe No™ 1CH6S Issue Date : August 2022 RE-ISSUED by CHEMSUPP

Product Name : **SODIUM SULFITE Anhydrous**
 Product Code: 123302 (Sodium Sulphite for Zero Dissolved Oxygen cal, 50g)

Not classified as hazardous

1. Identification

GHS Product Identifier Company Name	SODIUM SULFITE Anhydrous
Address	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)
Telephone/Fax Number	38 - 50 Bedford Street GILLMAN SA 5013 Australia Tel: (08) 8440-2000 Fax: (08) 8440-2001
Recommended use of the chemical and restrictions on use	Paper industry (semi-chemical pulp), reducing agent (dyes), water treatment, photographic developer, food preservative and antioxidant, textile bleaching (antichlor), analytical reagent and laboratory reagent. *Use prohibited in meats and other sources of vitamin B1.*
Other Names	<u>Name</u> SODIUM SULFITE Anhydrous AR SODIUM SULFITE Anhydrous LR
Other Information	EMERGENCY CONTACT +61 08 8440 2000 NUMBER: Business hours: 8:30am to 5:00pm, Monday to Friday. Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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3. Composition/information on ingredients

Chemical Characterization	Solid			
Ingredients	Name	CAS	Proportion	Hazard SymbolRisk Phrase
	Sodium sulfite	7757-83-7	100 %	

4. First-aid measures

Inhalation

If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Ingestion

Skin

Eye contact

Wash affected areas with copious quantities of water. If persistent irritation occurs, obtain medical attention.

Advice to Doctor Other Information

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If persistent irritation occurs, obtain medical attention. Treat symptomatically based on judgement of doctor and individual reactions of the patient.

For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products Specific Methods

May liberate toxic fumes in fire such as sulfur oxides.

Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.
Small fire: Use dry chemical, CO₂, water spray or foam.
Large fire: Use water spray, fog or foam.



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Specific hazards arising from the chemical

If safe to do so, move undamaged containers from the fire area. Material does not burn. Runoff may pollute waterways. Fire or heat may produce irritating, poisonous and/or corrosiv fumes. Containers may explode when heated.

Precautions in connection with Fire

Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Spills & Disposal Sweep up, but avoid generating dust. Wash area down with excess water.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

7. Handling and storage

Precautions for Safe

Avoid prolonged or repeated contact with skin and eyes . Wash hands and face thoroughly after working with material.

Handling

Keep containers closed at all times. Store in a cool,dry place. Store in cool place and out of direct sunlight.

Conditions for safe

storage, including

Store at room temperature (15 to 25 °C recommended).

any

incompatabilities

Storage

Temperatures

8. Exposure controls/personal protection

Other Exposure Information

No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts not otherwise specified is 10 mg/m3.

Appropriate In industrial situations maintain the concentrations values below the TWA. This may be achieved by **engineering controls** process modification, use of local exhaust ventilation, capturing substances at the source, or other

Respiratory Protection

Hygiene Measures

Eye Protection

Hand Protection

Personal Protective Equipment Footwear

Body Protection

methods.

Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Solid
Appearance	White crystals or powder.
Odour	Odourless.
Melting Point	> 500 °C (decomposition). Very soluble (220 g/L @ 20 °C)
Solubility in Water	
Solubility in Organic	Soluble in glycerol. Practically insoluble in alcohol.
Solvents Specific Gravity	2.633
pH	pH = 8.8 - 10 (50g/l H ₂ O, 20°C)



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Coefficient Water/Oil Log P(o/w): -4
 Distr.
 Flammability Non combustible material.
 Molecular Weight 126.04

10. Stability and reactivity

Chemical Stability Conditions to Avoid Incompatible Materials	Stable under normal use conditons. Hygroscopic
Hazardous	Exposure to air. Exposure to moisture.
Decomposition	Acids, oxidising agents, and nitrites.
Products	Oxides of sulfur.
Possibility of hazardous reactions	Will react with water, steam or acids to produce a toxic and corrosive material.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 2610 mg/kg
Ingestion	May be harmful if swallowed. May cause gastric irritation, diarrhoea.
Inhalation	May cause irritation to respiratory system. May be harmful if inhaled.
Skin	May be harmful if absorbed through the skin. May cause irritation to skin.
Eye	May be harmful if absorbed through the skin. May cause irritation to skin.
Carcinogenicity	Slightly irritating to eyes.
Chronic Effects	No evidence of carcinogenic properties.
Mutagenicity	There are no known adverse effects following chronic exposure to the material. No evidence of mutagenic properties.

12. Ecological information

Ecological Information Persistence and degradability	Daphnia
Environmental Fate	Acute Toxicity -
Bioaccumulative	Algae
Potential	Other Information
Acute Toxicity - Fish	
Acute Toxicity -	

No ecological problems are to be expected when the product is handled and used with due care and attention.

Methods for the determination of biodegradability are not applicable to inorganic substances.

Behaviour in environmental compartments:
Distribution: log P(o/w): -4 (@ 25 °C, experimental).
No bioaccumulation is to be expected (log P(o/w) <1.0).

LC50 (Leuciscus idus): 220 - 460 mg/l /96 h.

EC50 (Daphnia magna): 273 mg/l /48 h.

EC50 (Pseudomonas putida): 770 mg/l /17 h.

Further ecologic data: COD: 0.125 g/g

13. Disposal considerations

Disposal

Considerations

Other Information

Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

The pH of waste-collection containers should be adjusted to 6 - 8.

14. Transport information

Transport Information

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory

Listed in the Australian Inventory of Chemical Substances (AICS).

Information

Poisons Schedule

Not Scheduled



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16. Other Information

Literature References

'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia, February 2015.

Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.

Contact Person/Point

Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.

Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.

Safe Work Australia, 'Hazardous Substances Information System, 2005'.

Empirical Formula & Structural Formula

Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.

Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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