

MATERIAL SAFETY DATA SHEET

HAZARDOUS SUBSTANCE ACCORDING TO WORKSAFE AUSTRALIA

1. IDENTIFICATION

Product Name: AWT MEMBRANE PRESERVATIVE

Other Names: Sodium Pyrosulphite ; Sodium Bisulphite Anhydrous, Sodium Acid Sulphite.

Recommended Uses: Food preservative, oxygen scavenger and dechlorinating agent (water treatment, textile, etc) photo bath ingredient, reducer in chemical synthesis.

Supplier Name: Advanced Watertek Pty Ltd
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Emergency Telephone Number: 0407 981 543

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of NOHSC Australia.

Hazard Category:

Xi Irritant
Xn Harmful

Risk Phrase(s):

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

Safety Phrase(s):

S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty
of water and seek medical
advice.
S39 Wear eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container of label.

3. COMPOSITION / INGREDIENTS INFORMATION

CHEMICAL NAME	CAS NUMBER	PROPORTION
Sodium Metabisulphite	7681-57-4	37%
Water	7732-18-5	63%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone 131 126)

Inhalation: Remove victim from exposure to fresh air. If rapid recovery does not occur, seek medical attention.

Skin Contact: Remove affected clothing including footwear and wash affected area with a gentle stream of water for 15 minutes. If irritation occurs seek medical advice.

Eye Contact: Immediately flush eyes with plenty of water holding eyelids open. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water. Give water to drink provided person is conscious. Do NOT induce vomiting. Seek medical attention.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific Hazards: Product is a non-flammable liquid.

Fire-fighting further advice: No data available.

Suitable extinguishing media: In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.

Hazchem Code: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Transfer to a suitable, labelled container and hold for safe disposal. Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including oxidizing agents, acids, nitrates, nitrites, alkalis, sulphides and sources of ignition. Store at ambient temperature. Protect from direct sunlight and moisture. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: Sodium Metabisulphite cas no: 7681-57-4 exposure standards; TWA: 5mg/m³ Hazardous decomposition products exposure standards; Sulphur Dioxide cas no: 7446-09-5 TWA 2ppm (5.2mg/m³) STEL 5ppm (13mg/m³)

Biological Limit Values: No information available on biological limits for this product.

Engineering Controls: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protective Equipment: RESPIRATOR: Wear an anti-dust mask (filter P1) where dusts are generated. EYES: Safety glasses with side shields. HANDS: Chemical resistant gloves. CLOTHING: Long-sleeved, chemical resistant clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour: Clear and colourless liquid.

pH: Not available.

Vapour Pressure: Not available

Vapour Density: Not available

Boiling point/°C: Not available.

Melting Point/Range °C: Not available.

Solubility in Water: 640g/L at 20°C

Specific Gravity: Not available.

Flash Point (°C): Not available

Flammability Limits (%): Not available

Ignition Temperature (°C): Not available

Molecular Formula: Not available.

Additional Information:

(Typical values only - consult specification sheet)

10. STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions of use, storage and temperature.

Conditions to Avoid: Avoid excessive heat, dusty conditions, direct sunlight, moisture and temperatures above 150°C.

Incompatible Materials: Incompatible with oxidizing agents, acids, nitrates, nitrites, alkalis, sulphides and sources of ignition.

Hazardous Decomposition Products: Product may emit sulphur dioxide. Sulphur dioxide is toxic if inhaled. Heavier than air. It can accumulate itself in closed areas and particularly at soil level or below it. In high concentrations it is corrosive to eyes, respiratory system and skin.

Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Inhalation: Irritating to the respiratory system.

Skin Contact: Not irritating to skin. In extreme cases, only allergic people may suffer skin irritation.

Eye Contact: Risk of serious damage to eyes

Ingestion: Harmful if swallowed.

Long Term Effects: No data available.

Acute Toxicity / Chronic Toxicity: Oral LD50 Rat: 1540mg/Kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence & Degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION Classified as Non Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG code) for transport by road and rail.

UN No: Not applicable.

Dangerous goods Not applicable.

Class: Packing Group: Not applicable.

Hazchem Code: Not applicable.

Proper Shipping Name: SODIUM METABISULPHITE SOLUTION

15. REGULATORY INFORMATION

Poisons Schedule (Aust): Not available.

16. OTHER INFORMATION

Advanced Watertek Pty Ltd reserves the right to change the chemical specifications without notice.

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises Advanced Watertek Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Advanced Watertek Pty Ltd expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance.

Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

END OF MSDS