

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SODIUM METABISULPHITE

CAS Number: 7681-57-4

**1. IDENTIFICATION:**

**Product Code** : 90553, 91592, 91206, 91328, 93573, 98954, 99001

**Company Name** : ADVENT CHEMBIO PRIVATE LIMITED

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**2. HAZARDS IDENTIFICATION:****Hazard classification****Physical hazards****Health hazards**

**Acute toxicity, Oral** : Category 4

**Serious eye damage** : Category 1

**Labels elements** :

**Hazard symbol** : 

**Signal word** : Danger

**Hazard statement** : Harmful if swallowed.  
Causes serious eye damage.

**Precautionary statement**

**Prevention** : Obtain special instructions before use.  
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Keep container tightly closed. Ground/ bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
Use only non-sparking tools. Take precautionary measures against static discharge.

**Response** : IF exposed or concerned: Get medical advice/ attention.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



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- Storage** : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS:**

Ingredient	CAS Number	Percent	Hazardous
Sodium Metabisulphite	7681-57-4	NLT 95.0%	Yes

**4. FIRST AID MEASURES:**

- General information** : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
- Inhalation** : Move to fresh air. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen.
- Skin contact** : Get medical attention if symptoms persist.
- Skin contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
- Eye contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
- Most important symptoms/effects, acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2.0)
- Indication of immediate medical attention and special treatment needed** : No data available.

**5. FIRE FIGHTING MEASURES:**

- General information** : No data available.

**Suitable (and unsuitable) extinguishing media**

- Suitable extinguishing media** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media** : For this substance/mixture no limitations of extinguishing agents are given.
- Specific hazards arising from the chemical** : Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Vapor from the solvent may accumulate in container headspace resulting in



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Predicted No Effect Concentration (PNEC)	Compartment	Value
	: Appropriate engineering controls	Fresh water
Sea water		0,1 mg/l
Sewage treatment plant		75,4 mg/l
No data available		

**Individual protection measures, such as personal protective equipment**

<b>General information</b>	: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
<b>Eye/face protection</b>	: Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	: Chemical resistant gloves.
<b>Other</b>	: Wear suitable protective clothing.
<b>Respiratory protection</b>	: In case of inadequate ventilation use suitable respirator.
<b>Hygiene measures</b>	: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	: White crystals or crystalline powder.
<b>Odor</b>	: Pungent
<b>Solubility</b>	: Miscible in water.
<b>Formula</b>	: Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	: 190.1 g/mol
<b>Specific Gravity</b>	: 2,36 g/cm <sup>3</sup> at 20 °C
<b>pH</b>	: 3.8 - 5.3
<b>% Volatiles by volume @ 21C (70F)</b>	: No data available.
<b>Boiling Point</b>	: No data available.
<b>Melting Point</b>	: > 300 °C
<b>Flash Point</b>	: Not applicable
<b>Vapor Density (Air=1)</b>	: No data available.
<b>Vapor Pressure (mm Hg)</b>	: No data available.

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**Evaporation Rate (BuAc=1)** : No data available.

**10. STABILITY AND REACTIVITY:**

- Reactivity** : Contact with acids liberates toxic gas.
- Chemical stability** : Material is stable under ambient conditions. (Room temperature). Exposure to moisture.
- Possibility of hazardous reactions** : Generates dangerous gases or fumes in contact with: Acids
- Conditions to avoid** : Heat, sparks, flames. Sunlight.
- Incompatible materials** : No data available.
- Hazardous decomposition products** : In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION:**

**Information on likely routes of exposure**

- Ingestion** : No data available.
- Inhalation** : No data available.
- Skin contact** : No data available.
- Eye contact** : Causes serious eye damage.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

- Oral Product** : LD 50 Rat - male and female - 1.540 mg/kg
- Dermal Product** : LD 50 Rat - male and female - > 2.000 mg/kg
- Inhalation Product** : LD 50 Rat - male and female - 4 h - > 5,5 mg/l - aerosol
- Repeated dose toxicity Product** : No data available.
- Skin corrosion/irritation Product** : No data available.
- Serious eye damage/eye irritation Product** : Causes serious eye damage.
- Respiratory or skin sensitization Product** : Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
- Carcinogenicity Product** : This substance has no evidence of carcinogenic properties
- IARC Monographs on the Evaluation of Carcinogenic Risks to Humans** : No carcinogenic components identified.

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<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	: No carcinogenic components identified.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 Germ cell mutagenicity)</b>	: No carcinogenic components identified.
<b>In vitro Product</b>	: No data available.
<b>Reproductive toxicity Product</b>	: No components toxic to reproduction.
<b>Specific target organ toxicity - single exposure Product</b>	: Not known.
<b>Specific target organ toxicity - repeated exposure Product</b>	: None known.
<b>Aspiration hazard Product</b>	: No data available.
<b>Other effects</b>	: None known.

**12. ECOLOGICAL INFORMATION:**

**Ecotoxicity**

**Acute hazards to the aquatic environment**

<b>Fish Product</b>	: LC 50 (Western mosquitofish ( <i>Gambusia affinis</i> ), 96 h): > 1,400 mg/l .
<b>Aquatic invertebrates Product</b>	: LC 50 (Water flea ( <i>Daphnia magna</i> ), 24 h): 10,000 mg/l .
<b>Toxicity to algae</b>	: ErC50 - <i>Desmodesmus subspicatus</i> (green algae) - 43,8 mg/l -
<b>Toxicity to bacteria</b>	: EC50 - activated sludge - > 1.000 mg/l

**Chronic hazards to the aquatic environment**

<b>Fish Product</b>	: No data available.
<b>Aquatic invertebrates Product</b>	: No data available.
<b>Toxicity to Aquatic Plants Product:</b>	: No data available.
<b>Persistence and degradability</b>	
<b>Biodegradation Product</b>	: The methods for determining the biological degradability are not applicable to inorganic substances.
<b>BOD/COD ratio Product</b>	: No data available.
<b>Bioaccumulative potential</b>	

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**Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.  
**Partition coefficient n-octanol / water (log Kow) Product** : No data available.  
**Mobility in soil** : No data available.  
**Other adverse effects** : No data available.

**13. DISPOSAL CONSIDERATION:**

**Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.  
**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION:**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>		Sodium Metabisulphite		Not dangerous goods	
<b>IMDG</b>		Sodium Metabisulphite		Not dangerous goods	
<b>IATA</b>		Sodium Metabisulphite		Not dangerous goods	

**15. REGULATORY INFORMATION:**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

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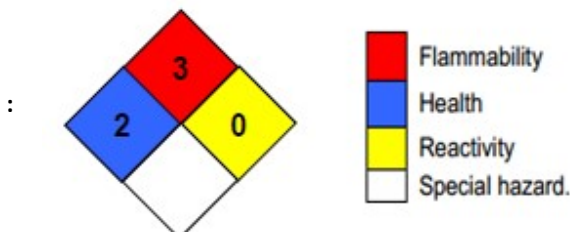
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## 16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 19/06/2023

Version : 01

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