



# SAFETY DATA SHEET

## SODIUM METABISULPHITE

---

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

---

**PRODUCT NAME:** SODIUM METABISULPHITE  
**PART No.:** RM250  
**SYNONYMS, TRADE NAMES:** SODIUM BISULPHITE  
**SUPPLIER:** J M Loveridge plc  
Southbrook Road, Southampton  
Hampshire  
SO15 1BH  
Tel: 023 8022 2008  
Fax: 023 8022 2117

---

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

---

**EEC (EINECS) No.** 231-673-0  
**CAS No.:** 7681-57-4

---

### 3. HAZARDS IDENTIFICATION:

---

Harmful if swallowed. Irritating to eyes, respiratory system and skin.  
Contact with acids liberates toxic gas.

---

### 4. FIRST AID MEASURES:

---

**GENERAL:** IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

**INHALATION:** Move affected person to fresh air. If recovery not rapid, seek medical attention.

**INGESTION:** DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

**SKIN:** Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention. Launder clothing before re-use.

**EYES:** Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

---

## 5. FIRE FIGHTING MEASURES:

---

<b>EXTINGUISHING MEDIA:</b>	Use extinguishing media suitable against surrounding fire or the cause of fire.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Noxious or toxic vapours may be released in fire situation.
<b>PROTECTIVE MEASURES IN FIRE:</b>	Fire fighters should wear self-contained breathing apparatus.

---

## 6. ACCIDENTAL RELEASE MEASURES:

---

<b>PERSONAL PRECAUTION IN SPILL:</b>	Avoid breathing dust. Avoid direct contact with skin, eyes and clothing. Wear appropriate protective clothing.
<b>PRECAUTIONS TO PROTECT ENVIRONMENT:</b>	Prevent contamination of soil, drains and surface water.
<b>SPILL CLEANUP METHODS:</b>	Vacuum or wet-sweep and place into a suitable closable, labelled container for disposal. Avoid dry sweeping or other methods which raise dust. Wash the area clean with water and detergent, observing environmental requirements.

---

## 7. HANDLING AND STORAGE:

---

<b>USAGE PRECAUTIONS:</b>	<b>HANDLING</b> - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Minimise creation of air-borne dust by application of good occupational hygiene principles, appropriate control measures and extraction techniques.
<b>STORAGE PRECAUTIONS:</b>	Store in a cool, dry, well ventilated place, in securely closed original container. Store away from acids and oxidising agents.

---

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

---

<b>INGREDIENT NAME:</b>	<b>CAS No.:</b>	<b>STD</b>	<b>LT EXP 8 Hrs</b>	<b>ST EXP 15 Min</b>
SODIUM METABISULPHITE	7681-57-4	OES	5 mg/m <sup>3</sup>	

<b>INGREDIENT COMMENTS:</b>	Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits; - exposure limits listed as disodium disulphite.
<b>PROCESS CONDITIONS:</b>	Use engineering controls to reduce air contamination to permissible exposure level.
<b>RESPIRATORS:</b>	If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.
<b>PROTECTIVE GLOVES:</b>	Use impervious gloves.
<b>EYE PROTECTION:</b>	Use approved safety goggles or face shield.
<b>OTHER PROTECTION:</b>	Wear personal protective equipment appropriate to the quantity of material handled.
<b>HYGIENIC WORK PRACTICES:</b>	<b>SKIN PROTECTION</b> - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

---

<b>APPEARANCE:</b>	White crystalline powder.		
<b>PHYSICAL DATA COMMENTS:</b>	Decomposes on heating.		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.48	<b>Temperature (°C):</b>	
<b>pH-VALUE, DILUTED SOLUTION:</b>	4.5	<b>Concentration % M:</b>	(5% aqueous solution)
<b>SOLUBILITY DESCRIPTION:</b>	Very soluble in water.		

---

**10. STABILITY AND REACTIVITY:**

---

<b>STABILITY:</b>	Stable under normal conditions of use.
<b>CONDITIONS TO AVOID:</b>	Heating can release hazardous gases.
<b>MATERIALS TO AVOID:</b>	Oxidising agents. Acids.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Thermal decomposition may release oxides of sulphur (SO <sub>x</sub> ).

---

**11. TOXICOLOGICAL INFORMATION:**

---

<b>Toxicological data</b>	LD50. Oral. Rat. 1540 mg/kg
<b>HEALTH HAZARDS, GENERAL:</b>	Irritating to eyes or if inhaled as dust.
<b>INHALATION:</b>	Irritating to the respiratory system. Irritating to mucous membranes.
<b>INGESTION:</b>	Harmful by ingestion. May cause nausea, vomiting, dizziness or mental confusion.
<b>SKIN:</b>	Repeated or prolonged contact may cause skin irritation and sensitisation. May cause dermatitis.
<b>EYES:</b>	Irritating to eyes.
<b>MEDICAL CONSIDERATIONS:</b>	May cause allergic reaction in susceptible individuals.

---

**12. ECOLOGICAL INFORMATION:**

---

<b>LC 50, 96 HRS, FISH mg/l:</b>	Rainbow trout: 100 - 200 mg/l
<b>ECOLOGICAL INFORMATION:</b>	Will deplete oxygen levels in water systems.
<b>DEGRADABILITY:</b>	Degrades in the natural environment forming sulphates.

---

**13. DISPOSAL CONSIDERATIONS:**

---

**DISPOSAL METHODS:** This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

**WASTE CLASS:** WASTE CODE: 0705\*\* HAZARDOUS PROPERTY: H5

---

#### 14. TRANSPORT INFORMATION:

---

**GENERAL:** Not classified as hazardous for transport.

---

#### 15. REGULATORY INFORMATION:

---

##### LABEL FOR SUPPLY:



**RISK PHRASES:** R-31 Contact with acids liberates toxic gas.  
R-22 Harmful if swallowed.  
R-36/37/38 Irritating to eyes, respiratory system and skin.

**SAFETY PHRASES:** S-2 Keep out of reach of children.  
S-14A Keep away from oxidising agents.  
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S-46 If swallowed seek medical advice immediately and show this container label.

**UK REGULATORY REFERENCES:** Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

---

#### 16. OTHER INFORMATION:

---

**INFORMATION SOURCES:** This product has been classified in accordance with CHIP3 regulations.

**REVISION COMMENTS:** Edition 01; Revised item(s):

**ISSUED BY:** MK

**SDS No.:** 449

**DATE:** 12/07/02

**DISCLAIMER:** The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.

---