

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

**Product identifier:**

**Product name:** SODIUM METABISULPHITE  
**CAS number:** 7681-57-4  
**EU index number:** 016-063-00-2  
**EC number:** 231-673-0

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

**Identified uses:** Industrial use.

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## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification (EC 1272/2008):**

**Physical hazards:** Not Classified  
**Health hazards:** Acute Tox. 4 - H302 Eye Dam. 1 - H318  
**Environmental hazards:** Not Classified

**Label elements:**

**EC number:** 231-673-0

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:** H302 Harmful if swallowed.  
H318 Causes serious eye damage.

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**Precautionary statements:**

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/ doctor.

P261 Avoid breathing dust.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dispose of contents and container to a registered waste disposal company.

**Supplemental label information:** EUH031 Contact with acids liberates toxic gas.

**Other hazards:**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substances:**

**Product name:** SODIUM METABISULPHITE

**EU index number:** 016-063-00-2

**CAS number:** 7681-57-4

**EC number:** 231-673-0

### 4. FIRST AID MEASURES

**Description of first aid measures:**

**Inhalation:** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion:** Immediately rinse mouth and drink plenty of water (200-300 ml). Do not induce vomiting. Get medical attention.

**Skin contact:** Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

**Eye contact:** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**Most important symptoms and effects, both acute and delayed:**

**Ingestion:** Irritation of mouth, throat and stomach. May cause stomach pain or vomiting.

**Skin contact:** Severe skin irritation.

**Eye contact:** May cause severe eye irritation.

**Indication of any immediate medical attention and special treatment needed:**

**Notes for the doctor:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

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### Special hazards arising from the substance or mixture:

**Specific hazards:** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Contact with acid liberates toxic gas.

### Advice for firefighters:

**Protective actions during firefighting:** Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Fight fire from safe distance or protected location.

**Special protective equipment for firefighters:** Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Avoid generation and spreading of dust. Evacuate area.

**Environmental precautions:** Avoid discharge into drains. Avoid or minimise the creation of any environmental contamination.

### Methods and material for containment and cleaning up:

**Methods for cleaning up:** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Wash thoroughly after dealing with a spillage. Do not touch or walk into spilled material. Avoid generation and spreading of dust. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water.

**Reference to other sections:** For personal protection, see Section 8. For waste disposal, see Section 13.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

**Usage precautions:** Provide adequate ventilation. Do not breathe dust. Avoid contact with skin and eyes. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Eye wash facilities and emergency shower must be available when handling this product.

### Conditions for safe storage, including any incompatibilities:

**Storage precautions:** Store in tightly closed, original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

**Specific end use(s):**

[cont...]

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control parameters:

**Occupational exposure limits:** Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>  
WEL = Workplace Exposure Limit 8.2.

#### Exposure controls:

#### Protective equipment:



**Eye/face protection:** Wear eye protection. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection:** It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Frequent changes are recommended.

**Hygiene measures:** Provide eyewash station. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

**Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties:

**Appearance:** Crystals.  
**Colour:** White.  
**pH:** pH (diluted solution): 3.5 - 5.0 @ 5%  
**Melting point:** 150°C  
**Relative density:** 1.0 - 1.2  
**Solubility(ies):** 470 g/l water @ 20°C  
**Other information:**

### 10. STABILITY AND REACTIVITY

**Reactivity:** Stable under normal temperature conditions and recommended use.

#### Chemical stability:

**Stability:** Stable at normal ambient temperatures and when used as recommended.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, no hazardous reactions will occur.

**Conditions to avoid:** Avoid heat, flames and other sources of ignition.

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### Incompatible materials:

**Materials to avoid:** Acids. Strong oxidising agents. Aluminium.

**Hazardous decomposition products:** Thermal decomposition or combustion products may include the following substances:  
Sulphurous gases (SO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

#### Acute toxicity – oral:

**Acute toxicity oral (LD<sub>50</sub> mg/kg):** 1,540.0

**Species:** Rat

**ATE oral (mg/kg):** 1,540.0

**Inhalation:** Irritating to respiratory system. Shortness of breath.

**Ingestion:** May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

**Skin contact:** Prolonged skin contact may cause redness and irritation.

**Eye contact:** Causes serious eye damage.

## 12. ECOLOGICAL INFORMATION

### Toxicity:

#### Acute aquatic toxicity:

**Acute toxicity – fish:** LC<sub>50</sub>, 96 hours: >150 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Persistence and degradability:** The product is biodegradable.

**Bioaccumulative potential:** Bioaccumulation is unlikely.

#### Mobility in soil:

**Mobility:** The product is soluble in water.

**Results of PBT and vPvB assessment:** The substance is not classified as PBT.

### Other adverse effects:

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods:

**Disposal methods:** Confirm disposal procedures with environmental engineer and local regulations. Do not empty into drains.

[cont...]

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### 14. TRANSPORT INFORMATION

**General:** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**UN number:** Not applicable.

**UN proper shipping name:** Not applicable.

**Transport hazard class(es):** No transport warning sign required.

**Packing group:** Not applicable.

**Environmental hazards:**

**Environmentally hazardous substance/marine pollutant:** No.

**Special precautions for user:** Not applicable.

**Transport in bulk according to Annex II of MARPOL and the IBC Code:**

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

### 15. REGULATORY INFORMATION

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

**EU legislation:** Regulation (EC) No 1272/2008 CLP.  
Regulation (EC) No 1907/2006 REACH.

**Chemical safety assessment:**

**Inventories:**

**US – TSCA:** Present.

**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 statements in full:** H302 Harmful if swallowed.  
H318 Causes serious eye damage.

**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.