

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Natrii metabisulfis

Item No. 06630500

#### **Registration no.**

Registration no. 01-2119531326-45-XXXX

#### **Substance / product identification**

CAS-No. 7681-57-4

EINECS-No. 231-673-0

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

#### **Use of the substance/preparation**

Manufacture of pharmaceutical products, Manufacture of cosmetics

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Hänseler AG  
Industriestrasse 35  
9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of  
person responsible  
for this SDS sdb@haenseler.ch

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

##### **Hazard pictograms**



##### **Signal word**

Danger

##### **Hazard statements**

H302

Harmful if swallowed.

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

H318 Causes serious eye damage.  
 EUH031 Contact with acids liberates toxic gas.

**Precautionary statements**

P264.1 Wash hands thoroughly after handling.  
 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 or doctor.  
 P330 Rinse mouth.  
 P501.3 Disposal in compliance with local and national regulations.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains sodium metabisulphite

**2.3. Other hazards**

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

**SECTION 3: Composition/information on ingredients****3.1. Substances****Molecular weight**

|       |        |       |
|-------|--------|-------|
| Value | 190.11 | g/mol |
|-------|--------|-------|

**Hazardous ingredients****sodium metabisulphite**

|  |                       |      |
|--|-----------------------|------|
| CAS No.  | 7681-57-4             |      |
| EINECS no.                                     | 231-673-0             |      |
| Registration no.                               | 01-2119531326-45-XXXX |      |
| Concentration                                  | >= 77                 | %    |
| Classification (Regulation (EC) No. 1272/2008) |                       |      |
|  | Acute Tox. 4          | H302 |
|  | Eye Dam. 1            | H318 |

|     |      |       |       |
|-----|------|-------|-------|
| ATE | oral | 1'540 | mg/kg |
|-----|------|-------|-------|

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In any case show the physician the Safety Data Sheet.

**After inhalation**

Ensure supply of fresh air.

**After skin contact**

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

Causes very strong irritations of the eyes, skin and mucous membranes.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Extinguishing measures to suit surroundings

#### **Non suitable extinguishing media**

not applicable

### **5.2. Special hazards arising from the substance or mixture**

The product is not combustible. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Sulfuroxides (SO<sub>x</sub>)

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Use personal protective clothing.

#### **Other information**

Suppress vapours with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale dust. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

### **6.2. Environmental precautions**

Do not empty into drains.

### **6.3. Methods and material for containment and cleaning up**

To pick up dry. Dispose of absorbed material in accordance with the regulations. Clean up affected area. Avoid raising dust.

### **6.4. Reference to other sections**

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Observe safety references and application instructions mentioned on can.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed and dry.

#### **Storage classes**

|                                     |    |                                  |
|-------------------------------------|----|----------------------------------|
| Storage class according to TRGS 510 | 13 | Non- combustible solids          |
| Storage category (Switzerland)      | 8  | Caustic and corrosive substances |

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

**Exposure limit values****sodium metabisulphite**

|          |       |                   |
|----------|-------|-------------------|
| List     | SUVA  |                   |
| Type     | MAK   |                   |
| Value    | 5     | mg/m <sup>3</sup> |
| Remarks: | OAWKT |                   |

**Derived No/Minimal Effect Levels (DNEL/DMEL)****sodium metabisulphite**

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Worker                         |                   |
| Duration of exposure | Long term                      |                   |
| Route of exposure    | inhalative                     |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 10                             | mg/m <sup>3</sup> |

**Predicted No Effect Concentration (PNEC)****sodium metabisulphite**

|               |            |      |
|---------------|------------|------|
| Type of value | PNEC       |      |
| Type          | Freshwater |      |
| Concentration | 1.0        | mg/l |

|               |           |      |
|---------------|-----------|------|
| Type of value | PNEC      |      |
| Type          | Saltwater |      |
| Concentration | 0.1       | mg/l |

|               |                              |      |
|---------------|------------------------------|------|
| Type of value | PNEC                         |      |
| Type          | Sewage treatment plant (STP) |      |
| Concentration | 75.4                         | mg/l |

**8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

**General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work.

**Respiratory protection**

Breathing apparatus in the event of aerosol, mist or fume formation. Particle filter P2; EN 143

**Hand protection**

|                      |                        |
|----------------------|------------------------|
| Gloves               |                        |
| Use                  | Permanent hand contact |
| Reference substance  | sodium metabisulphite  |
| Appropriate Material | nitrile rubber - NBR   |
| Material thickness   | 0.11 mm                |
| Breakthrough time    | > 480 min              |

|                         |                         |
|-------------------------|-------------------------|
| Gloves of natural latex |                         |
| Use                     | Short-term hand contact |
| Reference substance     | sodium metabisulphite   |
| Appropriate Material    | nitrile rubber - NBR    |
| Material thickness      | 0.11 mm                 |
| Breakthrough time       | > 480 min               |

**Eye protection**

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

Tightly fitting safety glasses; Eye protection must comply with EN 166.

**Body protection**

Protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|   |                      |                   |    |
|---|----------------------|-------------------|----|
| <b>Physical state</b>   | Powder               |                   |    |
| <b>Colour</b>   | colourless           |                   |    |
| <b>Odour</b>  | pungent              |                   |    |
| <b>Melting point</b>  |                      |                   |    |
| Value   | >                    | 150               | °C |
| <b>Boiling point or initial boiling point and boiling range</b> |                      |                   |    |
| Remarks   | Not applicable       |                   |    |
| <b>Flammability</b>   |                      |                   |    |
| Remarks   | Not self inflammable |                   |    |
| <b>Upper and lower explosive limits</b>                         |                      |                   |    |
| Remarks   | Not applicable       |                   |    |
| <b>Flash point</b>  |                      |                   |    |
| Value   | °C                   |                   |    |
| Remarks   | Not applicable       |                   |    |
| <b>Ignition temperature</b>                                     |                      |                   |    |
| Remarks   | Not applicable       |                   |    |
| <b>Decomposition temperature</b>                                |                      |                   |    |
| Value   | >                    | 150               | °C |
| <b>pH value</b>   |                      |                   |    |
| Value   | 4.5                  |                   |    |
| Concentration/H <sub>2</sub> O                                  | 50                   | g/l               |    |
| Temperature   | 20                   | °C                |    |
| <b>Viscosity</b>  |                      |                   |    |
| <b>dynamic</b>  |                      |                   |    |
| Remarks   | No data available    |                   |    |
| <b>Solubility(ies)</b>  |                      |                   |    |
| Remarks   | No data available    |                   |    |
| <b>Partition coefficient n-octanol/water (log value)</b>        |                      |                   |    |
| Remarks   | No data available    |                   |    |
| <b>Vapour pressure</b>  |                      |                   |    |
| Remarks   | No data available    |                   |    |
| <b>Density and/or relative density</b>                          |                      |                   |    |
| Value   | 2.36                 | g/cm <sup>3</sup> |    |
| Temperature   | 20                   | °C                |    |
| <b>9.2. Other information</b>                                   |                      |                   |    |
| <b>Solubility in water</b>                                      |                      |                   |    |
| Value   | 650                  | g/l               |    |
| Temperature   | 20                   | °C                |    |
| <b>Explosive properties</b>                                     |                      |                   |    |
| evaluation  | no                   |                   |    |

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

**Oxidising properties**

Remarks Not applicable

**Bulk density**Value 1.000 to 1.200 kg/m<sup>3</sup>**SECTION 10: Stability and reactivity****10.1. Reactivity**

Exothermic reaction with: Oxidising agents, Nitrites, nitrates, sulfides

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

Possible incompatibility with materials listed under section 10.5.

**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**10.5. Incompatible materials**

Development of toxic gases/vapours. Evolution of sulphur dioxide under influence of acids. Reacts violently with: Oxidising agents, Nitrites, nitrates, sulfides

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Sulphur dioxide

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

|        |  |       |
|--------|--|-------|
| ATE    | 1'540  | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) |       |

**Acute oral toxicity (Components)****sodium metabisulphite**

|         |          |       |
|---------|----------|-------|
| Species | rat      |       |
| LD50    | 1540     | mg/kg |
| Method  | OECD 401 |       |

**Acute dermal toxicity (Components)****sodium metabisulphite**

|         |                                 |       |
|---------|---------------------------------|-------|
| Species | rat                             |       |
| LD50    | > 2000                          | mg/kg |
| Method  | OECD 402                        |       |
| Source  | Analogous                       |       |
| Source  | Na <sub>2</sub> SO <sub>3</sub> |       |

**Acute inhalative toxicity (Components)****sodium metabisulphite**

|                     |                                 |      |
|---------------------|---------------------------------|------|
| Species             | rat                             |      |
| LC50                | > 5.5                           | mg/l |
| Administration/Form | Dust/Mist                       |      |
| Method              | OECD 403                        |      |
| Source              | Analogous                       |      |
| Source              | Na <sub>2</sub> SO <sub>3</sub> |      |

**Skin corrosion/irritation (Components)**

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

**sodium metabisulphite**

|                      |          |
|----------------------|----------|
| Species              | rabbit   |
| Duration of exposure | 4 h      |
| Method               | OECD 404 |
| Remarks              | None     |

**Serious eye damage/irritation (Components)****sodium metabisulphite**

|            |   |
|------------|---|
| Species    | rabbit                                    |
| evaluation | irritant - risk of serious damage to eyes |
| Method     | OECD 405                                  |

**Sensitization (Components)****sodium metabisulphite**

|            |                 |
|------------|-----------------|
| Species    | mouse           |
| evaluation | non-sensitizing |
| Method     | OECD 429        |

**Subacute, subchronic, chronic toxicity (Components)****sodium metabisulphite**

|         |   |
|---------|---|
| Remarks | Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. |
|---------|---|

**Mutagenicity (Components)****sodium metabisulphite**

|            |                                   |
|------------|-----------------------------------|
| evaluation | No mutagenicity in the Ames-test. |
| Method     | OECD 471                          |

**Reproduction toxicity (Components)****sodium metabisulphite**

|            |                     |
|------------|---------------------|
| evaluation | No negative effects |
| Source     | IUCLID              |

**Carcinogenicity (Components)****sodium metabisulphite**

|            |                     |
|------------|---------------------|
| evaluation | No negative effects |
| Source     | IUCLID              |

**Specific Target Organ Toxicity (STOT) (Components)****sodium metabisulphite**

|         |                   |
|---------|-------------------|
| Remarks | No data available |
|---------|-------------------|

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**Other information**

Observe the usual precautions for handling chemicals.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****sodium metabisulphite**

|                      |                              |      |
|----------------------|------------------------------|------|
| Species              | golden orfe (Leuciscus idus) |      |
| LC50                 | 316                          | mg/l |
| Duration of exposure | 96                           | h    |

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

Method DIN 38412 T.15  
**sodium metabisulphite**  
 Species rainbow trout (*Oncorhynchus mykiss*)  
 LC50 150 to 220 mg/l  
 Duration of exposure 96 h  
 Method DIN 38412 T.15

**Daphnia toxicity (Components)**

**sodium metabisulphite**  
 Species *Daphnia magna*  
 EC50 89 mg/l  
 Duration of exposure 48 h  
 Method OECD 201  
 Source ECHA

**Algae toxicity (Components)**

**sodium metabisulphite**  
 Species *Desmodesmus subspicatus*  
 IC50 48 mg/l  
 Duration of exposure 72 h  
 Method OECD 201

**sodium metabisulphite**  
 Species *Desmodesmus subspicatus*  
 ErC50 43.8 mg/l  
 Duration of exposure 72 h  
 Method OECD 201

**Bacteria toxicity (Components)**

**sodium metabisulphite**  
 Species activated sludge  
 EC50 > 1000 mg/l  
 Duration of exposure 3 h  
 Method OECD 209

**sodium metabisulphite**  
 Species *Pseudomonas putida*  
 EC50 56 mg/l  
 Duration of exposure 17 h  
 Source IUCLID

**12.2. Persistence and degradability****Physico-chemical eliminability (Components)**

**sodium metabisulphite**  
 Remarks Inorganic product, cannot be eliminated from the water by biological purification processes.

**Biodegradability (Components)**

**sodium metabisulphite**  
 Remarks Inorganic product, cannot be eliminated from the water by biological purification processes.

**Ready degradability (Components)**

**sodium metabisulphite**  
 Remarks Inorganic product, cannot be eliminated from the water by biological purification processes.

**Chemical oxygen demand (COD) (Components)**

**sodium metabisulphite**



Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

|        |                  |      |
|--------|------------------|------|
| Value  | 165              | mg/g |
| Source | calculated value |      |

**12.3. Bioaccumulative potential****General information**

No data available

**Partition coefficient n-octanol/water (log value)**

Remarks No data available

**12.4. Mobility in soil****General information**

No data available

**12.5. Results of PBT and vPvB assessment****General information**

No data available

**Results of PBT and vPvB assessment**

The Substance does not meet PBT-criteria.  
This substance does not meet the vPvB-criteria.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information**

There is no data available on the product apart from the information given in this subsection.

**General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

|                        | Land transport ADR/RID   | Marine transport IMDG/GGVSee  | Air transport ICAO/IATA   |
|------------------------|--|---|---|
| <b>14.1. UN number</b> | The product does not constitute a hazardous substance in land transport. | The product does not constitute a hazardous substance in sea transport. | The product does not constitute a hazardous substance in air transport. |

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 5 / CH

Date revised: 03.08.2023

Replaces Version: 4 / CH

Print date: 03.08.23

**Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has been carried out.

**SECTION 16: Other information****Hazard statements listed in Chapter 3**H302 Harmful if swallowed.  
H318 Causes serious eye damage.**CLP categories listed in Chapter 3**Acute Tox. 4 Acute toxicity, Category 4  
Eye Dam. 1 Serious eye damage, Category 1**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.