

Trade name: Natrii metabisulfis

Substance number: 066305

Version: 3 / CH

Date revised: 17.12.2018

Replaces Version: 2 / CH

Print date: 01.10.19

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, analytics

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.

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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

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 \geq 77 %
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Eye Dam. 1 H318

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

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

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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_x)

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.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Sodium metabisulphite**

List	SUVA	
Type	MAK	
Value	5	mg/m ³
Status: 2017;	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

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Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	10	mg/m ³

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

necessary

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

Tightly fitting safety glasses

Body protection

Protective clothing

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

Form	Powder
Colour	colourless
Odour	slightly perceptible
pH value	

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Value	3.5	to	5
Concentration/H ₂ O	50	g/l	
Temperature	20	°C	

Melting point

Value	appr. 150	°C
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Initial boiling point and boiling range

Remarks	Not applicable
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Flash point

Remarks	Not applicable
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Flammability (solid, gas)

No data available

Upper/lower flammability or explosive limits

Remarks	Not applicable
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Vapour pressure

Remarks	No data available
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Density

Value	2.36	g/cm ³
Temperature	20	°C

Solubility in water

Value	appr. 650	g/l
Temperature	20	°C

Solubility(ies)

Remarks	No data available
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Partition coefficient: n-octanol/water

Remarks	No data available
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Ignition temperature

Remarks	Not applicable
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Decomposition temperature

Value	> 150	°C
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Viscosity**dynamic**

Remarks	No data available
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Explosive properties

evaluation	no
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Oxidising properties

Remarks	Not applicable
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9.2. Other information**Bulk density**

Value	1.000	to	1.200	kg/m ³
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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).

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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

Sulphur dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****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
Source	RTECS	

Skin corrosion/irritation

Reference substance	Sodium metabisulphite
Species	rabbit
evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation

Reference substance	Sodium metabisulphite
Species	rabbit
evaluation	irritant
Method	OECD 405
Remarks	Risk of serious damage to eyes.

Sensitization

Reference substance	Sodium metabisulphite
Species	guinea pig
Remarks	negative

Sensitization (Components)**Sodium metabisulphite**

Species	guinea pig
evaluation	non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks	Not applicable
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Mutagenicity

Reference substance	Sodium metabisulphite
evaluation	No mutagenicity in the Ames-test.

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Reproductive toxicity

Reference substance	Sodium metabisulphite
Remarks	negative on animals
Source	Safety Data Sheet Supplier

Carcinogenicity

Reference substance	Sodium metabisulphite
Remarks	negative on animals

Specific Target Organ Toxicity (STOT)

Remarks	Not applicable
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Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Reference substance	Sodium metabisulphite
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)
LC50	150 to 220 mg/l
Duration of exposure	96 h
Method	DIN 38412 T.15

Fish toxicity (Components)**Sodium metabisulphite**

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

Daphnia toxicity

Reference substance	Sodium metabisulphite
Species	Daphnia magna
EC50	89 mg/l
Duration of exposure	48 h
Method	OECD 202

Daphnia toxicity (Components)**Sodium metabisulphite**

Species	Daphnia magna
EC50	89 mg/l
Duration of exposure	48 h
Method	OECD 202

Algae toxicity

Reference substance	Sodium metabisulphite
Species	Desmodesmus subspicatus
IC50	48 mg/l
Duration of exposure	72 h
Method	OECD 201

Algae toxicity (Components)**Sodium metabisulphite**

Species	Desmodesmus subspicatus
IC50	48 mg/l
Duration of exposure	72 h

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Method OECD 201

Bacteria toxicity

Reference substance	Sodium metabisulphite
Species	Pseudomonas putida
EC50	56 mg/l
Duration of exposure	17 h

Bacteria toxicity (Components)**Sodium metabisulphite**

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

12.2. Persistence and degradability**General information**

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

Biodegradability

Reference substance	Sodium metabisulphite
Remarks	Not applicable.

Chemical oxygen demand (COD)

Reference substance	Sodium metabisulphite
Value	165 mg/g

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

Value	165 mg/g
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12.3. Bioaccumulative potential**General information**

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

Partition coefficient: n-octanol/water

Remarks	No data available
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12.4. Mobility in soil**General information**

For this subsection there is no ecotoxicological data available on the product as such.

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

Not applicable

12.6. 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**

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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
14.1. UN number	Non-dangerous goods	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****Water Hazard Class (Germany)**

Water Hazard Class WGK 1
(Germany)

Remarks Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not 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.