

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 14.02.2023

Version number 1

Revision: 14.02.2023

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

- **1.1 Product identifier**
- **Trade name:** *Sodium disulfite*
- **Chemical Identification:** *Sodium pyrosulfite, sodium metabisulfite, disodium metabisulfite*
- **Article number:** 77
- **CAS Number:**
7681-57-4
- **EC number:**
231-673-0
- **Index number:**
016-063-00-2
- **Registration number** 01-2119531326-45
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** *Chemical.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Möller Chemie GmbH & Co. KG
Bürgerkamp 1
D-48565 Steinfurt
Tel.: 02551/9340-0
Fax: 02551/9340-60*
- **Further information obtainable from:** *Product safety department*
- **1.4 Emergency telephone number:**
Poison Control Center Mainz - 24 hour emergency service - Tel.: +49 (0) 6131/19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05



GHS07

- **Signal word** *Danger*
- **Hazard statements**
*H302 Harmful if swallowed.
H318 Causes serious eye damage.*
- **Precautionary statements**
*P280 Wear eye protection / face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.*

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P330 Rinse mouth.

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.*P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Additional information:**

EUH031 *Contact with acids liberates toxic gas.*

- **2.3 Other hazards**

The product does not contain any substance above the legal limits included on the list for endocrine disrupting properties established under Article 59(1) of Regulation (EC) No 1907/2006 or under Commission Delegated Regulation (EU) 2017/2100 or of Commission Regulation (EU) 2018/605 has endocrine disrupting properties.

- **Results of PBT and vPvB assessment**

- **PBT:**

The product does not contain any substances above legal limits that meet the criteria for PBT (persistent, bioaccumulative and toxic).

- **vPvB:**

The product does not contain any substances above legal limits that meet the criteria for vPvB (very persistent and very bioaccumulative).

SECTION 3: Composition/information on ingredients

- **3.1 Substances**

- **CAS No. Description**

7681-57-4 Sodium disulfite

- **Identification number(s)**

· **EC number:** 231-673-0· **Index number:** 016-063-00-2

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting. Call a doctor immediately.

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

Irritant effect on skin, eyes and respiratory organs; Headache, drowsiness; Nausea; Dizziness; Balance disorders; Anesthesia; Unconsciousness

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.
Product is not flammable.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide, carbon dioxide
Sulphur dioxide (SO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear full protective suit with self-contained breathing apparatus.
Mouth respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
Ensure adequate ventilation
Avoid contact with eyes and skin
Mount respiratory protective device.
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Inform the responsible authorities if larger quantities are released.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically and rinse off residues with water. Avoid dust formation. Collect in suitable containers and send for recovery or disposal according to point 13.
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep container tightly closed and store in a cool, well-ventilated place.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Do not store together with acids.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Recommended storage temperature: 15 - 25 °C

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- **Storage class:** 10-13
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Ingredients with limit values that require monitoring at the workplace:** Not required.
 - **DNELs**
Workers: Inhalative 225 mg/m³ (chronic systemic effect)
Consumers: inhalation 66 mg/m³ (chronic systemic effects)
Consumers: Oral 8.6 mg/kg bw/day (chronic systemic effects)
 - **PNECs**
Fresh water: 1 mg/l
Sea water: 0,1 mg/l
Sewage treatment plant: 75,4 mg/l
 - **Additional information:** The lists valid during the making were used as basis.
 - **8.2 Exposure controls**
 - **Appropriate engineering controls** No further data; see item 7.
 - **Individual protection measures, such as personal protective equipment**
 - **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not breathe dust. Avoid dust formation.
 - **Respiratory protection:**
In dust formation respiratory protection required.
Combination filter E-P2
 - **Hand protection**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **Material of gloves**
Butyl rubber, BR
Chloroprene rubber, CR
Nitrile rubber, NBR
Fluorocarbon rubber (Viton)
PVC gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
 - **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye/face protection**
- 

Tightly sealed goggles
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** White

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· Odour:	<i>Pungent</i>
· Melting point/freezing point:	<i>150 °C</i>
· Boiling point or initial boiling point and boiling range	<i>not determined</i>
· Flammability	<i>Product is not flammable.</i>
· Flash point:	<i>Not applicable; Product is not flammable or explosive.</i>
· Decomposition temperature:	<i>> 150 °C</i>
· pH (50 g/l) at 20 °C	<i>4.0-4.8</i>
· Viscosity:	
· Kinematic viscosity	<i>Not applicable.</i>
· Dynamic:	<i>Not applicable.</i>
· Solubility	
· water at 25 °C:	<i>650 g/l</i>
· Partition coefficient n-octanol/water (log value)	<i>Not determined.</i>
· Vapour pressure at 20 °C:	<i>< 0.1 hPa</i>
· Density and/or relative density	
· Density at 20 °C:	<i>2.36 g/cm³</i>
· Particle characteristics	<i>See item 3.</i>

· 9.2 Other information	
· Appearance:	
· Form:	<i>Powder</i>
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	<i>Product does not present an explosion hazard.</i>

· Information with regard to physical hazard classes	
· Explosives	<i>Void</i>
· Flammable gases	<i>Void</i>
· Aerosols	<i>Void</i>
· Oxidising gases	<i>Void</i>
· Gases under pressure	<i>Void</i>
· Flammable liquids	<i>Void</i>
· Flammable solids	<i>Void</i>
· Self-reactive substances and mixtures	<i>Void</i>
· Pyrophoric liquids	<i>Void</i>
· Pyrophoric solids	<i>Void</i>
· Self-heating substances and mixtures	<i>Void</i>
· Substances and mixtures, which emit flammable gases in contact with water	<i>Void</i>
· Oxidising liquids	<i>Void</i>
· Oxidising solids	<i>Void</i>
· Organic peroxides	<i>Void</i>
· Corrosive to metals	<i>Void</i>
· Desensitised explosives	<i>Void</i>

SECTION 10: Stability and reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
Thermal decomposition: 150 °C.
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** *Contact with acids releases toxic gases.*
- **10.4 Conditions to avoid**
High temperatures
Avoid moisture.
- **10.5 Incompatible materials:**
Oxidizing agents, acids.

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Nitrites, nitrates.

Sulphides

· **10.6 Hazardous decomposition products:** Sulphur dioxide· **Additional information:** Dissolves in water to form sodium hydrogen sulfite.

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**· **Acute toxicity**

Harmful if swallowed.

· **LD/LC50 values relevant for classification:**

Oral LD50 1.540 mg / kg (rat)

Dermal LD50 > 2.000 mg / kg (rat)

· **Skin corrosion/irritation** May cause slight skin irritation.· **Serious eye damage/irritation**

Causes serious eye damage.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.· **11.2 Information on other hazards**· **Endocrine disrupting properties** Substance is not listed.

SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:**Fish toxicity: LC50/96 h: 150 -220 mg/l (*Oncorhynchus mykiss*)Aquatic invertebrates: EC50/48 h: 89 mg/l (*Daphnia magna*)Aquatic plants: EC50/72 h: 48 mg/l (*Scenedesmus subspicatus*)· **12.2 Persistence and degradability**

Anorganic product, is not eliminable from water by means of biological cleaning processes.

· **12.3 Bioaccumulative potential** Keine wesentliche Bioakkumulation· **12.4 Mobility in soil** No further relevant information available.· **12.5 Results of PBT and vPvB assessment**· **PBT:** This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).· **vPvB:** This substance is not considered to be very persistent nor very bioaccumulative (vPvB).· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.· **12.7 Other adverse effects**· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal according to local regulations.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product safety department
- **Contact:** Mrs. Steyer
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1