

SAFETY DATA SHEET



Sodium sulfite

31454-500G

Version 2.0

Issuing date 12/27/2016

Revision Date 10/29/2022

Print Date 06/05/2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Sodium sulfite

Number : 000000020908

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926
Germany

For further information, please contact: : 1-800-368-0050
+1-231-726-3171
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
In Japan: +(81)-345209637

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification of the substance or mixture : **Short-term (acute) aquatic hazard, Category 3**

GHS Label elements, including precautionary statements

Hazard statements : **Harmful to aquatic life.**

Precautionary statements : **Prevention:**
Avoid release to the environment.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : Na_2SO_3

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Sodium sulfite	7757-83-7	100.00 %
Sodium sulfite		

Note: none

4. FIRST AID MEASURES

- General advice : First aider needs to protect himself.
Move out of dangerous area.
Immediately take off contaminated clothing and rinse body with plenty of water.
Show this safety data sheet to the doctor in attendance.
- Inhalation : If inhaled, remove to fresh air.
If symptoms persist, call a physician.
- Skin contact : After contact with skin, wash immediately with plenty of water.
If symptoms persist, call a physician.
- Eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
Protect unharmed eye.
If eye irritation persists, consult a physician.
- Ingestion : When swallowed, allow water to be drunk.
Call a physician immediately.
- Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO_2)
Dry powder

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- | | |
|---|--|
| Specific hazards during firefighting | : Some risk may be expected of corrosive and toxic decomposition products.
Contact with acids liberates toxic gas.
The product itself does not burn. |
| Special protective equipment for firefighters | : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |
| Further information | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons must be kept away.
Provide adequate ventilation.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing. |
| Environmental precautions | : Should not be released into the environment.
Prevent further leakage or spillage if safe to do so. |
| Methods and materials for containment and cleaning up | : Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.
Dispose of in accordance with local regulations. |

7. HANDLING AND STORAGE

Handling

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|---|--|
| Precautions for safe handling | : Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid inhalation, ingestion and contact with skin and eyes. |
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection. |

Storage

- | | |
|--|---|
| Conditions for safe storage, including any | : Store in original container.
Keep containers tightly closed in a dry, cool and well- |
|--|---|

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incompatibilities

ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Use with local exhaust ventilation.

Individual protection measures, such as personal protective equipment

- | | |
|--------------------------|--|
| Respiratory protection | : In case of insufficient ventilation, wear suitable respiratory equipment. |
| Hand protection | : Latex gloves
Gloves must be inspected prior to use.
Replace when worn. |
| Eye protection | : Safety goggles |
| Skin and body protection | : Protective suit |
| Hygiene measures | : Remove and wash contaminated clothing before re-use.
Wash hands before breaks and at the end of workday. |
| Protective measures | : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing. |

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|----------------|-------------|
| Physical state | : powder |
| Colour | : white |
| Odour | : odourless |

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Odour Threshold	: Note: No data available
pH	: ca. 10 at 200.00 g/l, 20 °C
Melting point (decomposition)	: > 600 °C
Boiling point/boiling range	: Note: No data available
Flash point	: Note: Not applicable
Evaporation rate	: Note: No data available
Flammability	: The product is not flammable.
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapour pressure	: Note: negligible
Vapour density	: Note: No data available
Density	: 2.6 g/cm ³ at 20 °C
Water solubility	: 220 g/l at 20 °C 270 g/l at 40 °C
Partition coefficient: n-octanol/water	: log Pow: -4 at 25 °C Method: OECD Test Guideline 107
Ignition temperature	: Note: Not applicable
Decomposition temperature	: > 500 °C Note: Decomposition temperature

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Viscosity, dynamic : Note: No data available

Viscosity, kinematic : Note: No data available

Molecular weight : 126.04 g/mol

Bulk density : ca. 1,600 kg/m³

10. STABILITY AND REACTIVITY

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Hazardous decomposition products formed under fire conditions.
Exothermic reaction with strong acids.

Conditions to avoid : Protect from atmospheric moisture and water.
Protect from heat/overheating.

Incompatible materials to avoid : Acids
Oxidizing agents

Hazardous decomposition products : Sulphur dioxide

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact, Ingestion

Acute oral toxicity : LD50: 2,610 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50: > 5.5 mg/l , dust/mist
Exposure time: 4 h
Species: Rat
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50: > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 402

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Skin corrosion/irritation : Species: Rabbit
Result: slight irritation
Method: OECD Test Guideline 404

Serious eye damage/eye irritation : Species: Rabbit
Result: slight irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation : Species: Mouse
Result: Not a skin sensitizer.
Method: OECD Test Guideline 429

Specific target organ toxicity - single exposure : Note :No data available

Specific target organ toxicity - repeated exposure : Note :No data available

Aspiration toxicity : No data available

12. ECOLOGICAL INFORMATION

Aquatic and ecotoxicity

Toxicity to fish : NOEC: ≥ 316 mg/l
Exposure time: 34 d
Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates : Note: Not classified due to data which are conclusive although insufficient for classification.

Toxicity to algae : EC50: 43.8 mg/l
Exposure time: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201

Toxicity to bacteria : EC50: $> 1,000$ mg/l
Exposure time: 3 h

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Species: activated sludge
Method: OECD Test Guideline 209

Persistence and degradability

Biodegradability : Note: The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Bioaccumulation : Note: No data available

Mobility in soil

Mobility : Note: No data available

Biochemical Oxygen Demand (BOD)
Sodium sulfite : Value: 125 mg/g

13. DISPOSAL CONSIDERATIONS

Disposal methods : In accordance with local and national regulations.

14. TRANSPORT INFORMATION

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

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RID

Not dangerous goods

15. REGULATORY INFORMATION

National regulatory information

Fire Service Law : Not relevant

Poisonous and Deleterious
Substances Control Law : Not relevant

Other international regulations

Notification status

US. Toxic Substances
Control Act : On TSCA Inventory

Australia. Inventory of
Industrial Chemicals (AIIC),
as amended : On the inventory, or in compliance with the inventory

Canada. Canadian
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals
Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of
Chemicals and Chemical
Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing
Chemical Substances
(IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of
Chemicals (NZIoC), as : On the inventory, or in compliance with the inventory

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Taiwan Chemical Substance Inventory (TCSI) : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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