

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** Sodium Sulfite

**Other means of identification**

**Product No.:** 3888, 3922, 8064

**Recommended use and restriction on use**

**Recommended use:** For Laboratory, Research or Manufacturing Use.

**Restrictions on use:** Not determined.

**Details of the supplier of the safety data sheet**

|                 |                                    |
|-----------------|------------------------------------|
|                 | Avantor Performance Materials, LLC |
|                 | 100 Matsonford Rd, Suite 200       |
|                 | Radnor, PA 19087                   |
| Telephone:      |                                    |
|                 | Customer Service: 855-282-6867     |
| Fax:            |                                    |
| Contact Person: | Product Information Compliance     |
| E-mail:         | info@avantormaterials.com          |

**Emergency telephone number:**

CHEMTREC: 1-800-424-9300 within US and Canada (24 hrs/day, 7 days/week)

## 2. Hazard identification

**Hazard Classification**

Not classified

**Label Elements**

|                                 |                 |
|---------------------------------|-----------------|
| <b>Hazard Symbol:</b>           | No symbol       |
| <b>Signal Word:</b>             | No signal word. |
| <b>Hazard Statement:</b>        | Not applicable  |
| <b>Precautionary Statements</b> | Not applicable  |

**Other hazards which do not result in GHS classification:**

None.

## 3. Composition/information on ingredients

**Substances**

**Composition Comments:** No hazardous ingredients.

**4. First-aid measures**

**General information:** Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

**Ingestion:** Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell.

**Inhalation:** Move to fresh air. Get medical attention if symptoms persist.

**Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** May cause irritation to skin, eyes and respiratory tract.

**Hazards:** None known.

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

**Treatment:** Treat symptomatically. Symptoms may be delayed.

**5. Fire-fighting measures**

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and material for containment and cleaning up:** Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.

**Notification Procedures:** Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling:** Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

**Appropriate Engineering Controls** No data available.

### Individual protection measures, such as personal protective equipment

**General information:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection:** Use tight fitting goggles if dust is generated.

#### Skin Protection

**Hand Protection:** Wear protective gloves.

**Other:** Wear suitable protective clothing.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

## 9. Physical and chemical properties

### Appearance

**Physical state:** Solid  
**Form:** Crystals or powder.  
**Color:** White

**Odor:** Odorless

**Odor threshold:** No data available.

|  |   |
|--|---|
| <b>pH:</b>   | Approximate 9 (20 °C)   |
| <b>Melting point/freezing point:</b>                         | 500 °C  |
| <b>Initial boiling point and boiling range:</b>              | No data available.  |
| <b>Flash Point:</b>  | No data available.  |
| <b>Evaporation rate:</b>                                     | No data available.  |
| <b>Flammability (solid, gas):</b>                            | No data available.  |
| <b>Upper/lower limit on flammability or explosive limits</b> |   |
| <b>Flammability limit - upper (%):</b>                       | No data available.  |
| <b>Flammability limit - lower (%):</b>                       | No data available.  |
| <b>Explosive limit - upper (%):</b>                          | No data available.  |
| <b>Explosive limit - lower (%):</b>                          | No data available.  |
| <b>Vapor pressure:</b>                                       | No data available.  |
| <b>Vapor density:</b>  | No data available.  |
| <b>Density:</b>  | 2,63 g/cm <sup>3</sup> (15,4 °C)  |
| <b>Relative density:</b>                                     | 2,63 (15,4 °C)  |
| <b>Solubility(ies)</b>                                       |   |
| <b>Solubility in water:</b>                                  | 270 g/l (20 °C)   |
| <b>Solubility (other):</b>                                   | Alcohol: Practically insoluble<br>ammonia: Insoluble<br>glycerol: Soluble |
| <b>Partition coefficient (n-octanol/water):</b>              | No data available.  |
| <b>Auto-ignition temperature:</b>                            | No data available.  |
| <b>Decomposition temperature:</b>                            | No data available.  |
| <b>Viscosity:</b>  | No data available.  |
| <b>Other information</b>                                     |   |
| <b>Molecular weight:</b>                                     | 126,04 g/mol (Na <sub>2</sub> SO <sub>3</sub> )                           |

## 10. Stability and reactivity

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No dangerous reaction known under conditions of normal use. |
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.                 |
| <b>Possibility of hazardous reactions:</b> | Hazardous polymerization does not occur.                    |
| <b>Conditions to avoid:</b>                | Heat. Moisture.   |
| <b>Incompatible Materials:</b>             | Strong oxidizing agents. Acids.                             |
| <b>Hazardous Decomposition Products:</b>   | Sulfur dioxide gas may be liberated from the product.       |

## 11. Toxicological information

### Information on likely routes of exposure

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | May cause irritation to the respiratory system.        |
| <b>Skin Contact:</b> | Prolonged skin contact may cause temporary irritation. |
| <b>Eye contact:</b>  | May cause temporary eye irritation.                    |
| <b>Ingestion:</b>    | May cause irritation of the gastrointestinal tract.    |

## Information on toxicological effects

### Acute toxicity (list all possible routes of exposure)

#### Oral

**Product:** LD 50 (Rat): 2.610 - 2.746 mg/kg

#### Dermal

**Product:** LD 50 (Rat): > 2.000 mg/kg

#### Inhalation

**Product:** LC 50 (Rat): > 5,5 mg/l

### Repeated dose toxicity

**Product:** No data available.

### Skin Corrosion/Irritation

**Product:** Prolonged skin contact may cause temporary irritation.

### Serious Eye Damage/Eye Irritation

**Product:** May cause temporary eye irritation.

### Respiratory or Skin Sensitization

**Product:** Not a skin nor a respiratory sensitizer.

### Carcinogenicity

**Product:** This substance has no evidence of carcinogenic properties.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

### ACGIH Carcinogen List:

No carcinogenic components identified

### Germ Cell Mutagenicity

#### In vitro

**Product:** No mutagenic components identified

#### In vivo

**Product:** No mutagenic components identified

### Reproductive toxicity

**Product:** No components toxic to reproduction

### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

### Aspiration Hazard

**Product:** Not classified

### Other effects:

None known.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** There are no data on the degradability of this product.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available on bioaccumulation.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**13. Disposal considerations**

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**TDG**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

**Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable**15. Regulatory information****Canada Federal Regulations****List of Toxic Substances (CEPA, Schedule 1)**

Not Regulated

**Export Control List (CEPA 1999, Schedule 3)**

Not Regulated

**National Pollutant Release Inventory (NPRI)****Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements**

NPRI PT5 Not Regulated

**Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)**

NPRI Not Regulated

**Greenhouse Gases**

Not Regulated

Not Regulated

**Controlled Drugs and Substances Act**

CA CDSI Not Regulated

CA CDSII Not Regulated

CA CDSIII Not Regulated

CA CDSIV Not Regulated

CA CDSV Not Regulated

CA CDSVII Not Regulated

CA CDSVIII Not Regulated

**Precursor Control Regulations**

Not Regulated

**International regulations****Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**Inventory Status:**

|  |  |
|--|--|
| Australia AICS:                          | On or in compliance with the inventory |
| Canada DSL Inventory List:               | On or in compliance with the inventory |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| Japan (ENCS) List:                       | On or in compliance with the inventory |
| Japan ISHL Listing:                      | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI):    | On or in compliance with the inventory |
| Mexico INSQ:                             | On or in compliance with the inventory |
| New Zealand Inventory of Chemicals:      | On or in compliance with the inventory |
| Philippines PICCS:                       | On or in compliance with the inventory |
| Taiwan Chemical Substance Inventory:     | On or in compliance with the inventory |
| US TSCA Inventory:                       | On or in compliance with the inventory |
| EINECS, ELINCS or NLP:                   | On or in compliance with the inventory |

**16. Other information**

**Revision Date:** 26.02.2020

**Version #:** 1.2

**Source of information:** Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, information from the Toxicology Data Network (TOXNET), European Chemical Agency (ECHA) substance dossiers, IARC Monographs, US National Toxicology Program data, the Agency for Toxic Substances and Disease Registry, other manufacturer's SDSs and other sources, as appropriate.

**Further Information:** No data available.

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