

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sodium sulfite
 Product Number : 13471
 Brand : Sigma-Aldrich
 Company : Sigma-Aldrich Canada, Ltd
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 CANADA
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2. HAZARDS IDENTIFICATION**Emergency Overview****Target Organs**

Central nervous system

WHMIS Classification

Not WHMIS controlled.

Not WHMIS controlled.

GHS Label elements, including precautionary statements

Pictogram none
 Signal word Warning
 Hazard statement(s)
 H303 + H333 May be harmful if swallowed or if inhaled.
 H320 Causes eye irritation.
 Precautionary statement(s)
 P264 Wash skin thoroughly after handling.
 P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P337 + P313 If eye irritation persists: Get medical advice/attention.

HMIS Classification

Health hazard: 0
Chronic Health Hazard: *
Flammability: 0
Physical hazards: 0

NFPA Rating

Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.

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Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : Na₂O₃S
 Molecular Weight : 128.04 g/mol

| CAS-No. | EC-No. | Index-No. | Concentration |
|------------------------|-----------|-----------|---------------|
| Sodium sulphite | | | |
| 7757-83-7 | 231-821-4 | - | - |

4. FIRST AID MEASURES**If inhaled**

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear respiratory protection. Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.
 Do not store near acids.

Air and moisture sensitive.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment**Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form solid

Safety data

pH 9.0 - 10.5 at 126 g/l at 25 °C (77 °F)
 Melting point no data available
 Boiling point no data available
 Flash point no data available
 Ignition temperature no data available
 Lower explosion limit no data available
 Upper explosion limit no data available
 Density 2.630 g/cm³
 Water solubility 126 g/l at 20 °C (68 °F) - completely soluble

10. STABILITY AND REACTIVITY**Chemical stability**

Stable under recommended storage conditions.

Conditions to avoid

Exposure to air may affect product quality. Exposure to moisture may affect product quality.

Materials to avoid

Acids, Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - Contact with acids releases sulphur dioxide.
 Hazardous decomposition products formed under fire conditions. - Sulphur oxides

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

LD50 Oral - rat - 3,560 mg/kg
 LC50 Inhalation - rat - 4 h - > 5,500 mg/m³

Skin corrosion/irritation

Skin - rabbit - No skin irritation

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Serious eye damage/eye irritation

Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitization

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure (GHS)

no data available

Specific target organ toxicity - repeated exposure (GHS)

no data available

Aspiration hazard

no data available

Potential health effects

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Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.

Signs and Symptoms of Exposure

May cause irritation of the: Gastrointestinal tract, violent colic, Diarrhoea, Disturbance of: circulatory system, Central nervous system depression, death, Persons with allergies and/or asthma may exhibit hypersensitivity to sulfites., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: WE2150000

12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 680 mg/l - 96 h

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

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Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**DSL Status**

All components of this product are on the Canadian DSL list.

WHMIS Classification

Not WHMIS controlled.

Not WHMIS controlled.

16. OTHER INFORMATION**Further information**

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