Sodium Sulfite, Anhydrous
Safety Data Sheet 75456
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 08/02/2006 Revision date: 07/23/2013 Supersedes: 08/02/2006 Version: 1.0

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

1.1. Product identifier
Product form : Substance
Substance name : Sodium Sulfite, Anhydrous
CAS No : 7757-83-7
Product code : LC24930
Formula : Na2SO3

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : For laboratory and manufacturing use only.

1.3. Details of the supplier of the safety data sheet
LabChem Inc
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court
Zelienople, PA 16063 - USA
T 412-826-5230 - F 724-473-0647
info@labchem.com - www.labchem.com

1.4. Emergency telephone number
Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin Irrit. 2  H315
Eye Irrit. 2A H319

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling
P380 - Wear protective gloves, eye protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362 - Take off contaminated clothing

2.3. Other hazards
Other hazards not contributing to the classification : None.

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances
Substance type : Mono-constituent

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Sulfite, Anhydrous (Main constituent)</td>
<td>(CAS No) 7757-83-7</td>
<td>100</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2A, H319</td>
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</tbody>
</table>

Full text of H-phrases: see section 16

3.2. Mixture
Not applicable
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.


4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Not flammable.

Explosion hazard: Not applicable.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures: Wash exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed when not in use.

Incompatible products: Strong acids.

Incompatible materials: Moisture.

7.3. Specific end use(s)

No additional information available
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls  :  Provide adequate general and local exhaust ventilation.
Personal protective equipment  :  Avoid all unnecessary exposure.
Hand protection  :  Wear protective gloves.
Eye protection  :  Chemical goggles or safety glasses.
Skin and body protection  :  Wear suitable protective clothing.
Respiratory protection  :  Wear appropriate mask.
Other information  :  Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state  :  Solid
Molecular mass  :  126.04 g/mol
Colour  :  White.
Odour  :  Odourless.
Odour threshold  :  No data available
pH  :  No data available
pH solution  :  5 (8.5 - 10) %
Relative evaporation rate (butylacetate=1)  :  No data available
Melting point  :  > 500 °C
Freezing point  :  No data available
Boiling point  :  No data available
Flash point  :  No data available
Self ignition temperature  :  No data available
Decomposition temperature  :  > 500 °C
Flammability (solid, gas)  :  No data available
Vapour pressure  :  No data available
Relative vapour density at 20 °C  :  No data available
Relative density  :  No data available
Density  :  2.63 g/cm³
Solubility  :  Moderately soluble in water.
Log Pow  :  No data available
Log Kow  :  No data available
Viscosity, kinematic  :  No data available
Viscosity, dynamic  :  No data available
Explosive properties  :  No data available
Oxidising properties  :  No data available
Explosive limits  :  No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Hygroscopic.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid


10.5. Incompatible materials

Strong acids. Strong oxidizers.
### 10.6. Hazardous decomposition products

Sodium oxide. Sulfur compounds.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity**

<table>
<thead>
<tr>
<th>Sodium Sulfite, Anhydrous (7757-83-7)</th>
<th>LD50 oral rat</th>
<th>2610 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 5.5 mg/l/4h</td>
<td></td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**

- Causes skin irritation.

**Serious eye damage/irritation**

- Causes serious eye irritation.

**Respiratory or skin sensitisation**

- Not classified

**Germ cell mutagenicity**

- Not classified

**Carcinogenicity**

- Not classified

**Reproductive toxicity**

- Not classified

**Specific target organ toxicity (single exposure)**

- Not classified

**Specific target organ toxicity (repeated exposure)**

- Not classified

**Aspiration hazard**

- Not classified

**Potential Adverse human health effects and symptoms**

- Based on available data, the classification criteria are not met.

**Symptoms/injuries after inhalation**

- May cause respiratory irritation.

**Symptoms/injuries after skin contact**

- Causes skin irritation.

**Symptoms/injuries after eye contact**

- Causes serious eye irritation.

**Symptoms/injuries after ingestion**


### SECTION 12: Ecological information

#### 12.1. Toxicity

**Sodium Sulfite, Anhydrous (7757-83-7)**

- LC50 fishes 1: 220 - 460 mg/l

#### 12.2. Persistence and degradability

**Sodium Sulfite, Anhydrous (7757-83-7)**

- Persistence and degradability: Not established.

#### 12.3. Bioaccumulative potential

**Sodium Sulfite, Anhydrous (7757-83-7)**

- Bioaccumulative potential: Not established.

#### 12.4. Mobility in soil

- No additional information available

#### 12.5. Other adverse effects

**Other information**

- Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

- Ecology - waste materials: Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT

#### 14.1. UN number

- No dangerous good in sense of transport regulations

#### 14.2. UN proper shipping name

- Not applicable
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14.3. Additional information
Other information : No supplementary information available.

Overland transport
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Sodium Sulfite, Anhydrous (7757-83-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Sodium Sulfite, Anhydrous (7757-83-7)
Listed on the Canadian DSL (Domestic Substances List) inventory.
WHMIS Classification | Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified

15.2.2. National regulations

Sodium Sulfite, Anhydrous (7757-83-7)
Not listed on the Canadian Ingredient Disclosure List

15.3. US State regulations
No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2 | Skin corrosion/irritation, Category 2
H315 | Causes skin irritation
H319 | Causes serious eye irritation

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.
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HMIS III Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>1 Slight Hazard - Irritation or minor reversible injury possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0 Minimal Hazard</td>
</tr>
<tr>
<td>Physical</td>
<td>1 Slight Hazard</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
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SDS US (GHS HazCom 2012)

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