

Product Name Sodium sulfite

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identification:** 

Product Description: Sodium bisulfite

**CAS-No:** 7757-83-7 **EC-No.:** 231-821-4

**Molecular Formula:** Na<sub>2</sub>SO<sub>3</sub>

Relevant identified uses of the substance or mixture and uses advised against:

Details of the supplier of the safety data sheet:

• Company Sulfurshimi Kashan

No. 315, Kolahdooz St, Pasdaran

Ave, Tehran, Iran

Web: www.sulfurshimi.com

• E-mail Address <u>info@sulfurshimi.com</u>

#### **Emergency telephone number:**

- For Emergency contact on: +98 - 2122 - 765743

#### **SECTION 2: HAZARDS IDENTIFICATION**

• Emergency Overview

• Target Organs: Eyes, skin and respiratory

• **GHS Classification:** Eye – Causes eye irritation (Category 2B)

Skin - Causes skin irritation (Category 2)

Inhalation – May be harmful if inhaled (Category 5)

• **Hazard Statements:** H315 – Causes skin irritation

H320 – Causes eye irritation. H333 - May be harmful if inhaled.

• **Precautionary:** P264 – Wash thoroughly after handling.



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• Statements: P305, P351 and P338- If in Eyes: Rinse with water

for several minutes.

P302 + P352-If on Skin: Wash with plenty of soap

and water.

• **HMIS Classification:** Health Hazard 1

Flammability 0 Reactivity 0

Potential Health Inhalation: Irritant

• Effects: Eye: Irritant

Skin: Irritant

Ingestion: Harmful if swallowed

Medical Condition aggravated by long term exposure - Capable of provoking bronchospasm in sulfite sensitive individuals with asthma.

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

• **Substances:** Sodium sulfite

• Mixtures:

Name of SubstanceMolecular FormulaMolar massCAS NoSodium SulfiteNa2SO3126 g/mol7757-83-7

# **SECTION 4: FIRST AID MEASURES**

Lye contact:	Check for and remove any contact lenses. In case of
	contact, immediately flush eyes with plenty of water
	for at least 15 minutes. Cold water may be used. Get

medical attention.

**Skin Contact**: In case of contact, immediately flush skin with plenty

of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly

clean shoes before reuse. Get medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give

artificial respiration. If breathing is difficult, give

oxygen. Get medical attention.



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**Ingestion:** Do NOT induce vomiting unless directed to do so by

medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or

waistband.

**SECTION 5: FIREFIGHTING MEASURES** 

Suitable extinguishing media: foam, Dry powder, Carbon dioxide, Water spray,

Warning: Do not use a heavy water stream.

Fire hazard: Not flammable.

**Reactivity:** Reacts with some acids: release of toxic and Corrosive

products.

Hazardous decomposition products: On burning: release of toxic and corrosive

gases/vapors like SO<sub>2</sub>.

**Precautionary measures fire:** Keep container closed when not in use.

**Firefighting instructions:** Use water Spray or fog for cooling exposed containers.

> Exercise caution when fighting any chemical fire. Prevent water from fore-fighting entering

environment.

**Protection during firefighting:** Do not enter fire area without proper protective

equipment, including respiratory protection.

**SECTION 6: ACCIDENTAL RELEASE MEASURES** 

**Protective equipment for non-emergency personnel:** Gloves, Safety glasses.

**Emergency procedures for non-emergency personnel:** Evacuate unnecessary personnel.

**Protective equipment for emergency responders:** Equip cleanup crew with proper protection.

**Emergency procedures for emergency responders:** Ventilate area.

**Environmental precautions:** 

Prevent entry to sewers and public waters. **Methods and material for containment:** 

Do not use compressed air for pumping over spills. Prevent dispersion by moistening spills with water or

Methods and material for cleaning up: On land: sweep or shovel into suitable containers.

Minimize generation of dust. Store away from other

materials.

**SECTION 7: HANDLING AND STORAGE** 

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap

andwater before eating, drinking or smoking and leaving

Provide good ventilation in process area to prevent

Formation of vapor.



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**Hygiene measures:** Wash exposed skin thoroughly after handling.

**Conditions for safe storage:** Keep container closed when not in use.

Suitable packaging material: Polyethylene containers.

Warning: Keep away from acids or moisture or any

oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Appropriate engineering controls:** Provide adequate general and local exhaust

> ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Emergencyeye wash fountains should be available in theimmediatevicinity

ofany potential exposure.

Gloves, Safety glasses **Personal protective equipment:** 

dust mask with filter type P3. **Dust protection: Hand protection:** Wear Rubber or plastic gloves. **Eye protection:** Chemical goggles or safety glasses. Skin and body protection: Wear suitable protective clothing.

**Respiratory protection:** Not required in normal conditions.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Flammability: non-combustible

Form: powder, crystalline pH value: 8.8-10 (for 50 g/l aqueous

solution at 20 °C)

Color: white soluble in water **Solubility:** 2.63 g/cm<sup>3</sup> at 20 °C Odor: odorless **Density:** 

**Melting point:**  $>500^{\circ}$ C **Bulk density:**  $1480 \text{ Kg/m}^3$ 

## **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** stable under normal conditions.

air contact, heat, moisture, incompatible materials like Conditions to avoid:

strong acids and strong oxidizers.

**Hazardous decomposition product:** sulfur dioxide and sulfur trioxide.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

Not classified **Acute toxicity (oral):** Acute toxicity (dermal): Not classified **Acute toxicity (inhalation):** Not classified LD50 oral Rat: 2610 mg/kg LC50 Inhalation-Rat: > 5.5 mg/l/4h

2610 mg/kg body weight ATE US (oral): **Skin corrosion/irritation:** Causes skin irritation

Serious eye damage/irritation: Causes serious eye irritation.



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Respiratory or skin sensitization:Not classifiedGerm cell mutagenicity:Not classifiedCarcinogenicity:Not classifiedReproductive toxicity:Not classifiedSTOT-single exposure:Not classifiedSTOT-repeated exposure:Not classifiedAspiration hazard:Not classified

**Symptoms/effects after inhalation:**May cause respiratory irritation.

Symptoms/effects after skin contact:Causes skin irritation.Symptoms/effects after eye contact:Causes serious eye irritation.Symptoms/effects after ingestion:Central nervous system depression.

## **SECTION 12: ECOLOGICAL INFORMATION**

LC50 (fish): <464 mg/l (Exposure time: 96 h)
EC50 (aquatic invertebrates): 89 mg/l (Exposure time: 48 h)
ErC50 (algae): 43.8 mg/l (Exposure time: 72 h)

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Methods of disposal:** In accordance with local national regulations.

#### **SECTION 14: TRANSPORT INFORMATION**

**Methods of transportation:**Not classified as dangerous in the meaning of transport regulations.

#### **SECTION 15: REGULATORY INFORMATION**

Listed on the United States TSCA (Toxic Substances Control Act) inventory:

SARA Section 311/312 Hazard Classes: Health hazard-skin corrosion or irritation and serious eye damage or eye irritation

Listed on Canadian DSL (Domestic Substances List)

Listed on Chinese IECSC

Listed on Japanese MITI

Listed on Korean KECL

Not listed in OSHA Regulations.

Not listed in EPA Regulations.

#### **SECTION 16: OTHER INFORMATION**

The information herein is believed to be reliable. However, no warranty, expressed or implied, is made as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.