



## MATERIAL SAFETY DATA SHEET

Trade Name: **PS-SS**

Page: 1 of 4

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Names:**

Sodium sulfite; Sodium sulphite; Sulfurous acid; disodium salt; exsiccated sodium sulfite.

**Chemical Formula:**

$\text{Na}_2\text{SO}_3$

**Company Identification:**

www.PARSulfite.ir

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical and Common Name	CAS Registry Number	Wt. %
Sodium sulfite	7757-83-7	97.5

### 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards:** Reducing agent. contact with acids liberates  
**Environmental hazards:** Depletes oxygen content of water courses.  
**Human health hazards:** Dust may cause irritation to respiratory system.

### 4. FIRST AID MEASURES

**Effect and symptoms:**

**Skin contact:** May cause skin irritation and/or dermatitis.  
**Eye contact:** Irritating to eyes on contact.  
**Inhalation:** Irritating to respiratory tract, may cause allergic reaction.  
Allergic persons and workers with difficulty in breathing should not be employed in powder application.  
**Ingestion:** irritating to gastrointestinal tract.

**First aid measures:**

**Ingestion:** Drink plenty of water. Rinse mouth with plenty of water. if you feel unwell, seek medical advice (show the label where possible).

<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
<b>Skin contact:</b>	Wash off immediately with plenty of water.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

### 5. FIRE FIGHTING MEASURES

<b>Flammability:</b>	non-flammable. Burning produces obnoxious and toxic fumes.
<b><u>Suitable extinguishing media</u></b>	
<b>Suitable</b>	water, dry powder, foam, carbon dioxide
<b>Not suitable</b>	
<b>Hazardous decomposition products</b>	sulphur dioxide/sulphur trioxide
<b>Special protective equipment For firefighters</b>	In the event of fire, wear self contained breathing apparatus. Wear suitable gloves and eye/face protection.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear suitable gloves and eye/face protection.
<b>Environmental precautions:</b>	Do not let product enter drains.
<b>Methods for clean up:</b>	Shovel into suitable container for disposal.

### 7. HANDLING AND STORAGE

<b>Handling/Storage:</b>	Keep away from acids and oxidizing agents
<b><u>Packaging material</u></b>	
<b>Suitable</b>	Polyethylene containers
<b>Not suitable</b>	

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### National occupational Exposure limit

<b>Chemical name</b>	Sodium sulfite
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<b>OEL (United kingdom)</b>	5 mg/m <sup>3</sup> /*2 ppm SO <sub>2</sub> , 8 Hour TWA. 10 mg/m <sup>3</sup> 8 Hour TWA total inhalable dust *4mg/m <sup>3</sup> 8Hour TWA respirable dust
<b>Recommended monitoring procedures</b>	Draegar/Gastec tubes (SO <sub>2</sub> ) or personal dust samplers
<b><u>Personal protection equipment</u></b>	
<b>Respiratory protection</b>	Dust mask
<b>Skin and body protection</b>	Protective suit
<b>Hand protection</b>	Rubber or plastic gloves
<b>Eye protection</b>	Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form :</b>	Crystalline powder
<b>Color:</b>	White/off-white
<b>Odor:</b>	slight
<b>Molecular weight:</b>	126.04
<b>pH:</b>	10.5(10% solution)
<b>Bulk density:</b>	Approximately, 1.4 - 1.6 gr/cm <sup>3</sup>
<b>Solubility :</b>	soluble in water

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	stable at normal conditions
<b>Conditions to Avoid:</b>	oxidizing agents, acids
<b>Hazardous Products of Deposition:</b>	sulphur dioxide/sulphur trioxide

## 11. TOXICOLOGICAL INFORMATION

<b>Chemical name</b>	Sodium Sulfite
<b><u>Acute toxicity</u></b>	
<b>Oral</b>	LD50,oral rat:6400 mg/kg
<b>Inhalation</b>	Irritating to respiratory system. may cause allergic reactions
<b>Skin irritation</b>	Moderate skin irritation on prolonged contact
<b>Eye irritation</b>	Moderate eye irritation on contact

**12. ECOLOGICAL INFORMATION**

**Persistence and degradability degrades to form sulphates in the natural environment**  
**Ecotoxicity effect** 96-hour LC50 mosquito fish : 2600 mg/l (in/with freshwater)  
50-hour LC50 mosquito fish : 2600 mg/l (in/with freshwater)

**13. DISPOSAL CONSIDERATIONS**

**Methods of disposal:** In accordance with local national regulations  
**other information**

**14. TRANSPORT INFORMATION**

**UN-NO** N/A  
**IMDG/ADR Class** Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION****EC Regulations**

**EC Classification** NONE  
(67/548/EEC-88/379/EEC-92/32/EEC)  
**Label name** SODIUM SULPHITE ANHYDROUS  
**R-phrases(s)** R31-contact with acids liberates toxic gas  
**S-phrases(s)** S14-keep away from acids and oxidizing agents.

**16. OTHER INFORMATION****History**

<b>Date of issue</b>	05/17/99	Previous Revision	1
<b>Revision number</b>	2	Date	11/17/95
<b>SDS prepared by</b>	SB	Previous SDS	
<b>SDS revised by</b>	SB		