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**Material Safety Data Sheet**

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<b>Product Name</b>	<b><u>Sodium bisulfite</u></b>
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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE  
COMPANY/UNDERTAKING**

**1.1. Product identification:****Product Description:** Sodium bisulfite**Synonyms:** Sodium hydrogen sulfite**CAS-No:** 7631-90-5**EC-No.:** 231-548-0**Molecular Formula:** NaHSO<sub>3</sub>**REACH Registration No:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.**Relevant identified uses of the substance or mixture and uses advised against:****Recommended Use:** Laboratory chemicals**1.2. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**  
184-186/P, Chacharwadi Vasna,  
Sarkhej-Bavla Highway,  
Ta.: Sanand, Dist.: Ahmedabad,  
Email: [info@finarchemicals.com](mailto:info@finarchemicals.com)  
Web: [www.finarchemicals.com](http://www.finarchemicals.com)
- **E-mail Address** [safety@finarchemicals.com](mailto:safety@finarchemicals.com); [info@finarchemicals.com](mailto:info@finarchemicals.com)

**1.3. Emergency telephone number:**

- For Emergency contact on: +91 - 2717 - 616 717
- Registered office No: +91 - 79 - 40040085

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**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture:****Classification according to Regulation (EC) No 1272/2008**

Acute toxicity, Oral (Category 4), H302

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2. Label elements:****Labelling according Regulation (EC) No 1272/2008****Pictogram****Signal Word:** Warning**Hazard Statements:**

H302 - Harmful if swallowed.

**Precautionary Statements:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

Rinse mouth.

**Supplemental Hazard Information (EU):**

EUH 031 Contact with acids liberates toxic gases

**CAS-No:** 7631-90-5**2.3. Other hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

3.1. **Substances:** Sodium bisulfite

3.2. **Mixtures:**

<b>Component</b>	<b>CAS-No</b>	<b>EC-No.</b>	<b>Weight %</b>
Sodium bisulfite	7631-90-5	231-548-0	>95

**SECTION 4: FIRST AID MEASURES**

4.1. **Description of first aid measures:**

- **General Advice:**  
Consult a physician. Show this safety data sheet to the doctor in attendance.
- **Eye Contact:**  
Flush eyes with water as a precaution.
- **Skin Contact:**  
Wash off with soap and plenty of water. Consult a physician.
- **Swallowed:**  
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- **Inhalation:**  
If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No data available

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**SECTION 5: FIREFIGHTING MEASURES**

- 5.1. Extinguishing media:**  
**Suitable extinguishing media:** Use water spray-dry chemical or carbon dioxide
- 5.2. Special hazards arising from the substance or mixture:**  
 Not combustible.  
 Sulfur oxides, Sodium oxides
- 5.3. Advice for firefighters:**  
 Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further Information:**  
 No data available

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1. Personal precautions, protective equipment and emergency procedures:**  
 Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas.  
 Ensure adequate ventilation. Avoid breathing dust.  
 For personal protection see section 8.
- 6.2. Environmental precautions:**  
 Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
 Discharge into the environment must be avoided.
- 6.3. Methods and material for containment and cleaning up:**  
 Sweep up or vacuum up spillage and collect in suitable container for disposal.  
 Keep in suitable, closed containers for disposal.
- 6.4. Reference to other sections:**  
 For disposal see section 13.

**SECTION 7: HANDLING AND STORAGE**

- 7.1. Precautions for safe handling**  
 Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation.  
 Should not be released into the environment.
- 7.2. Conditions for safe storage, including any incompatibilities:**  
 Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

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Never allow product to get in contact with water during storage. Do not store near acids.

Air and moisture sensitive.

**7.3. Specific end use(s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters:**

**Ingredients with workplace control parameters**

**8.2. Exposure controls:**

**Appropriate engineering controls**

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

**Personal protective equipment:**

**Eye/Face Protection-**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Body Protection-**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection-**

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

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

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties:**

- **Appearance:** White
- **Physical State:** Solid
- **Odor:** Rotten-egg like
- **Odor Threshold:** No data available
- **pH:** 4-5 25% aq solution
- **Melting Point:** 150°C
- **Auto-Ignition Temperature:** No data available
- **Vapor Pressure:** No data available
- **Vapor Density:** No data available
- **Bulk Density:** No data available
- **Volatility:** No data available
- **Odor Threshold:** No data available
- **Water/Oil Dist. Co eff.:** No data available
- **Partition coefficient n-octanol/water:** No data available
- **Ionicity (in Water):** No data available
- **Decomposition Temperature:** No data available
- **Boiling Point/Range:** No data available
- **Flash Point:** No data available
- **Specific Gravity:** 1.480
- **Relative Density:** 1.348 g/cm<sup>3</sup> at 20 °C
- **Water Solubility:** 300 g/l / ca.42 g/l at 20 °C - completely soluble

**9.2. Other information:****Molecular Formula:** NaHSO<sub>3</sub>**Molecular Weight:** 104.06 g/mol**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity:**

Contact with acids liberates toxic gas.

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**10.2. Chemical stability:**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions:**

No data available

**10.4. Conditions to avoid:**

No data available

**10.5. Incompatible materials:**

Strong oxidizing agents, Strong acids

**10.6. Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Sulfur oxides, Sodium Oxides

Other decomposition products - No data available

In the event of fire: see section 5

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects:****Acute Oral toxicity**

No data available

LD50 Oral - Rat - male and female - 1.540 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - > 5,5 mg/l

(OECD Test Guideline 403)

LD50 Dermal - Rat - male and female - > 2.000 mg/kg

(OECD Test Guideline 402)

**Skin corrosion/irritation**

No data available

Skin - Rabbit

Result: No Skin irritation

OECD Test Guideline 404

**Serious eye damage/eye irritation**

No data available

Eyes - Rabbit

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Result: No eye irritation  
(OECD Test Guideline 405)

**Sensitisation**

No data available  
Local lymph node assay (LLNA) - Mouse  
Result: negative  
(OECD Test Guideline 429)

**Germ cell mutagenicity**

No data available  
Rat - male  
Result: negative  
(ECHA)

**Carcinogenicity**

IARC: No ingredient 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**

No Data Available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

Repeated dose toxicity - Rat - male and female – Oral (ECHA)

RTECS: Not available

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, chest pain

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity:**

Toxicity to fish:

Static test LC50 - Leuciscus idus (Golden orfe) - &gt; 215 - &lt; 464 mg/l; 96 h

Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates:

Static test EC50 - Daphnia magna (Water flea) - 89 mg/l - 48 h

Remarks: (ECHA)

Toxicity to algae:

Static test ErC50 - Desmodesmus subspicatus (green algae) – 43.8mg/l - 72 h

(OECD Test Guideline 201)

Toxicity to bacteria:

Static test EC50 - activated sludge - &gt; 1.000 mg/l - 3 h

(OECD Test Guideline 209)

**12.2. Persistence and degradability Persistence:**

No data available

**12.3. Bio accumulative potential:**

No data available

**12.4. Mobility in soil:**

No data available

**12.5. Results of PBT and vPvB assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6. Other adverse effects:**

Harmful to aquatic life.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods:****Product**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC

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as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle un-cleaned containers like the product itself.

**Contaminated packaging**

Dispose of as unused product

**SECTION 14: TRANSPORT INFORMATION**

	<b>Land transport (ADR/RID)</b>	<b>Air transport (IATA)</b>	<b>Sea transport (IMDG)</b>
<b>14.1 UN number</b>	-		
<b>14.2 Proper shipping name</b>	Not dangerous goods		
<b>14.3 Class</b>	-		
<b>14.4 Packing group</b>	-		
<b>14.5 Environmentally hazardous</b>	No		
<b>14.6 Special precautions for user</b>	No data available		
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>			
Not Relevant			

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment:**

For this product, a chemical safety assessment is not carried out.

**SECTION 16: OTHER INFORMATION**

- **Full text of H-Statements referred to under sections 2 and 3:**

H302 Harmful if swallowed

EUH031 Contact with acids liberates toxic gas.

**References:** Not available

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**Created on:** 07/07/2020

**Disclaimer:**

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