

Material Safety Data Sheet (MSDS)

Product Name: Sodium Lignosulfonate Technical Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

Product Name: Sodium Lignosulfonate Technical Grade

Synonyms: Sodium lignin sulfonate, Lignosulfonic acid sodium salt

Chemical Formula: C₂₀H₂₄Na₂O₁₀S₂ (approximate)

CAS No.: 8061-51-6

Molecular Weight: Variable (depending on source and composition)

Recommended Use: Dispersing agent, binder, dust suppressant, concrete additive, and emulsifier.

2. Hazard Identification

- **Classification:** Not classified as hazardous under GHS.
- **Physical State:** Powder or granules
- **Hazard Statements:** May cause mild eye and skin irritation.
- **Precautionary Statements:**

- Avoid inhalation of dust.
- Avoid contact with eyes and skin.
- Wash hands after handling.
- **Emergency Overview:** Non-flammable, low toxicity product.

3. Composition / Information on Ingredients

Chemical Name: Sodium Lignosulfonate

CAS No.: 8061-51-6

Concentration: ≥ 90%

Impurities: Water and minor lignin derivatives.

4. First Aid Measures

- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
 - **Inhalation:** Move to fresh air. Seek medical attention if breathing becomes difficult.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical attention if symptoms occur.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, carbon dioxide, or dry chemical.
 - **Unsuitable Media:** None known.
 - **Special Hazards:** Combustion may produce carbon oxides and sulfur oxides.
 - **Protective Equipment:** Wear self-contained breathing apparatus and full protective clothing.
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6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation and inhalation. Use appropriate PPE.

- **Environmental Precautions:** Prevent large quantities from entering drains or waterways.
- **Clean-up Method:** Sweep up and place in suitable containers for disposal. Wash area with water.

7. Handling and Storage

- **Handling:** Avoid breathing dust and contact with eyes. Ensure adequate ventilation.
- **Storage:** Store in cool, dry, and well-ventilated area away from moisture.
- **Incompatible Materials:** Strong oxidizing agents.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Use adequate ventilation to control dust.
- **Personal Protection:**
 - **Respiratory Protection:** Dust mask (P2 or N95).
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Protective gloves and clothing.
- **Hygiene Measures:** Wash thoroughly after handling.

9. Physical and Chemical Properties

- **Appearance:** Light brown to dark brown powder
- **Odor:** Slight woody odor
- **Solubility:** Soluble in water
- **pH (1% solution):** 4.0 – 7.0
- **Boiling Point:** Not applicable
- **Melting Point:** Not applicable (decomposes)
- **Flash Point:** Not applicable
- **Bulk Density:** 0.5 – 0.8 g/cm³

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Moisture and high temperatures.
- **Incompatible Materials:** Strong oxidizers and acids.
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, sulfur oxides.

11. Toxicological Information

- **Acute Toxicity:** Low toxicity.
- **Skin Contact:** May cause mild irritation.
- **Eye Contact:** May cause irritation.
- **Inhalation:** Dust may cause respiratory irritation.
- **Ingestion:** May cause mild gastrointestinal discomfort.
- **Chronic Effects:** No known chronic effects.

12. Ecological Information

- **Ecotoxicity:** Not considered harmful to aquatic organisms.
- **Biodegradability:** Biodegradable.
- **Bioaccumulative Potential:** Low.
- **Mobility in Soil:** Water-soluble; may leach in soil.

13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local, regional, and national regulations.
- **Contaminated Packaging:** Dispose of as non-hazardous waste after thorough cleaning.

14. Transport Information

- **UN Number:** Not applicable

- **UN Proper Shipping Name:** Sodium Lignosulfonate
- **Transport Hazard Class:** Not regulated as hazardous material under ADR/RID, IMDG, or IATA.
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not environmentally hazardous.
- **Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code):** Not applicable
- **Special Precautions for User:**
 - Ensure packaging is tightly closed and protected from moisture.
 - Avoid spillage during loading/unloading operations.
 - Store and transport in dry, covered conditions.
 - Product is non-combustible and non-toxic, but dust accumulation should be avoided to prevent mechanical hazards or localized irritation.
 - Transport vehicles should be clean and free from residues of incompatible materials.
 - For air and sea shipments, standard non-hazardous cargo documentation applies.
 - Handle in accordance with good industrial hygiene and safety practices.

15. Regulatory Information

- **Regulation (EC) No. 1907/2006 (REACH):** Not classified as hazardous.
- **US OSHA:** Non-hazardous.
- **India:** Not classified as hazardous under relevant chemical safety regulations.

16. Other Information

Disclaimer: The information provided in this MSDS is based on current knowledge and experience. It is intended to describe the product for health, safety, and environmental purposes only and should not be construed as guaranteeing specific properties.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024

- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.