



Shandong Jufu Chemical Technology Co., Ltd.

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name: SODIUM LIGNOSULPHONATE

Chemical Name: LIGNOSULFONIC ACID SODIUM SALT

CAS No.: 8061-51-6

Application of the substance :

1. **Construction Additive:** As concrete water reducing agent, well improve the workability properties of concrete with water reducing ratio up to 13%, significantly improve the cement hydration, can compound with naphthalene superplasticizer.
2. **Coal Water Slurry Additive:** Increase output, reduce energy consumption during process, lower viscosity, increase product liquidity.
3. **Refractory Materials&Ceramic Additive:** High performance binder improving body Strength 20-60%.
4. **Dye&Pesticide Industry:** As dye dispersants, fillers; fillers, dispersants and suspension agent in pesticide producing.
5. **Mineral Materials Binders&Dust Control Agent.**
6. **Other Applications:** Oil drilling dispersants, viscosity reducer; as dispersants, antirust agents, emulgators, etc in oil products.

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Section 2. Composition/Information on Ingredients

Name: Sodium Lignosulfonate

Molecular Formula: C₂₀H₂₄Na₂O₁₀S₂

Molecular Weight: 534.51

CAS No.: 8061-51-6

EINECS NO.: 23-25-059

Section 3. Hazards identification

Emergency Overview: No danger! But dust raisable.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Section 4. First Aid Measures

Eyes : Immediately flush eyes with plenty of water. Then get immediate medical attention if necessary.



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Skin: Flush in clear water after touching.

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: If swallowed, drink plenty of water, induce vomiting.

Section 5. Fire Fighting Measures

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: No information found.

Flash Points: No information found

Flammable Limits: No information found

Products of Combustion: No information found

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: No information found. Risks of explosion of the product in presence of static discharge: No information found .

Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: No information found

Special Remarks on Explosion Hazards: No information found

Section 6. Accidental Release Measures

Personal precautions:

Avoid dust formation. Use personal protective clothing. Avoid breathing vapors, mist or gas.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Section 7. Handling and Storage

Precautions:

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage:

Keep container dry. Keep in a cool place. Keep container tightly closed. Keep in a cool, well-ventilated place.

Section 8. Exposure Controls / Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:



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Splash goggles. Lab coat. Dust respirator. Gloves. Be sure to use an approved/certified respirator or equivalent.

Exposure Limits: Not available

Section 9. Physical/Chemical Properties

Appearance	Brown powder
Odor	Slight
PH value	---
Melting Point	No data available
Boiling Point	No data available
Flash Point	No data available
Specific Gravity:	1.2-1.3
Solubility in Water:	Easily soluble in cold water, hot water.
Dispersion Properties:	See solubility in water.

Section 10. Stability and Reactivity

Stability: The product is stable.

Instability Temperature: No information found

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: No information found

Special Remarks on Reactivity: No information found

Special Remarks on Corrosivity: No information found

Polymerization: Will not occur.

Section 11. Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 6030 mg/kg [Mouse].

Chronic Effects on Humans: May cause damage to the following organs: blood, liver.

Other Toxic Effects on Humans: No specific information is available in our database regarding the other toxic effects of this material for humans.

Special Remarks on Toxicity to Animals: No information found

Special Remarks on Chronic Effects on Humans: No information found

Special Remarks on other Toxic Effects on Humans: No information found

Section 12. Ecological Information

Ecotoxicity: No information found

BOD5 and COD: No information found

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: No information found



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Special Remarks on the Products of Biodegradation: No information found

Section 13. Disposal Considerations

Waste disposal of substance: Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Container disposal: Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14. Package/Transportation Information

Package: 25KGs/450KGs weaved bags with plastic inner.

Transportation: No hazardous carriage limited.

DOT Classification(US): Not dangerous goods

ADR Classification(Europe): Not dangerous goods

IMDG Classification: Not dangerous goods

IATA Classification: Not dangerous goods

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Sodium Lignosulfonate

Other Regulations: OSHA: No known OSHA hazards

Other Classifications: WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): Not applicable

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Section 16: Other Information

Other Special Considerations: None

MSDS Revision date: May, 4th, 2010

The second revision date: Jun., 2nd, 2011

The latest revision date: Jan., 12th, 2019

Emergency Contact: +86-(0)531-88987705

The information above is believed to be accurate and represents the best information currently



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