

MATERIAL SAFETY DATA SHEET

Sodium Lignosulfonate

Section 1: Chemical Product and Company Identification

Product Name	Sodium Lignosulfonate
Synonym:	Sodium Ligninsulfonate
Chemical Name:	Lignosulfonic Acid, sodium salt
Chemical Formula:	Not available.

Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

Section 2: Composition and Information on Ingredients

Composition:

Name	Sodium Lignosulfonate
CAS #	8061-51-6
% by Weight	100
Toxicological Data on Ingredients:	Sodium Lignosulfonate: ORAL (LD50): Acute: 6030 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:	No specific information is available in our database regarding the acute toxic effects of this material for humans.
Potential Chronic Health Effects:	
Carcinogenic Effects:	Not available.
Mutagenic Effects:	Not available.
Teratogenic Effects:	Not available.
Developmental Toxicity:	Not available

The substance may be toxic to blood, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye 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:	Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact:	Not available
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

	Get medical attention
Serious Inhalation:	Not available
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Serious Ingestion:	Not available

Section 5: Fire and Explosion Data

Flammability	May be combustible at high temperature
Auto-Ignition Temperature	Not available
Flash Points	Not available
Flammable Limits	Not available
Products of Combustion	Not available
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: Not available. Risks of explosion of the product in presence of static discharge: Not available.
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	Not available
Special Remarks on Explosion Hazards	Not available

Section 6: Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

Section 7: Handling and Storage

Precautions:	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

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:	Safety glasses. Lab coat
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:	Not available

Section 9: Physical and Chemical Properties

Physical state and appearance	Solid
Odor	Slight
Taste	Not available
pH (1% soln/water)	Not available
Boiling Point	Not available
Melting Point	Not available
Critical Temperature	Not available
Specific Gravity	Not available
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Volatility	6% (w/w)
Odor Threshold	Not available
Water/Oil Dist. Coeff	Not available
Ionicity (in Water)	Not available
Dispersion Properties	See solubility in water
Solubility	Easily soluble in cold water, hot water

Section 10: Stability and Reactivity Data

Stability	The product is stable
Instability Temperature	Not available
Conditions of Instability	Excess heat, incompatible materials
Incompatibility with various substances	Reactive with oxidizing agents, acids
Corrosivity	Not available
Special Remarks on Reactivity	Not available
Special Remarks on Corrosivity	Not available
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
Special Remarks on Toxicity to Animals	Not available
Special Remarks on Chronic Effects on Humans	May affect genetic material (mutagenic)
Special Remarks on other Toxic Effects on Humans	
Acute Potential Health Effects	
Skin	May cause skin irritation
Eyes	May cause eye irritation
Inhalation	May cause respiratory tract irritation
Ingestion	May cause gastrointestinal tract irritation. May affect behavior/central nervous system (somnolence, muscle weakness, coma, excitement).
Chronic Potential Health Effects	
Inhalation	Prolonged or repeated inhalation may affect respiration, liver, and blood
Ingestion	Prolonged or repeated ingestion may cause ulceration of stomach and colon, and skin lesions. It may also affect the liver (impaired liver function tests), kidneys, and blood.

Section 12: Ecological Information

Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
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:	Not available.
Special Remarks on the Products of Biodegradation:	Not available.

Section 13: Disposal Considerations

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
------------------------	--

Section 14: Transport Information

DOT Classification:	Not a DOT controlled material (United States).
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:	TSCA 8(b) inventory: Sodium Lignosulfonate
Other Regulations:	
OSHA:	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications:	

WHMIS (Canada):	Not controlled under WHMIS (Canada).
DSCL (EEC):	Not applicable.

Section 16: Other Information

MSDS Creation Date:	July 26, 2015
Revision #1 Date	

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.