

MATERIAL SAFETY DATA SHEET
Sodium Lignosulfonate Leather Tanning Grade

16-Section SDS/MSDS for Industrial Leather Wet-End and Tanning Chemical Use

Product Code	GAC-NaLS-Leather	Chemical Name	Lignosulfonic acid, sodium salt / Sodium lignosulfonate
CAS No.	8061-51-6	Physical Form	Yellow-brown water-soluble powder
Version	V1.0 May 2026	Recommended Use	Industrial retanning auxiliary and dye-leveling dispersant

GHS Classification Not classified as hazardous	Main Handling Risk Dust irritation and combustible dust	Recommended PPE Goggles, gloves and dust mask	Transport Status Not regulated as dangerous goods
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1. Identification

Item	Information
Product identifier	Sodium Lignosulfonate Leather Tanning Grade
Other names	Sodium lignosulfonate; lignosulfonic acid, sodium salt; sodium ligninsulfonate
CAS No.	8061-51-6
Recommended use	Industrial leather wet-end use: retanning auxiliary, dye-leveling dispersant and formulation component.
Restrictions on use	Not intended for food, feed, pharmaceutical, medical, household or consumer applications unless separately qualified and approved.
Supplier	GREEN AGROCHEM Industrial Chemicals LigninCorp
Website / Email	www.lignincorp.com info@greenagrochem.com
Emergency telephone	To be assigned by exporter/importer according to destination-country requirements. In an emergency, contact local emergency services or poison center.

2. Hazard Identification

GHS classification: Not classified as hazardous based on available supplier and reference information for sodium lignosulfonate technical powder. Always confirm final classification against local laws, product composition and customer destination requirements.

GHS / Label Element	Information
Signal word	None required.
Hazard pictograms	None required.
Hazard statements	Not classified under GHS criteria for the supplied product.
Precautionary guidance	Avoid breathing dust. Avoid contact with eyes. Wash hands after handling. Use with adequate ventilation.
Other hazards	Nuisance dust may cause mechanical eye, skin or respiratory irritation. Fine powder may form combustible dust concentrations in air; avoid dust clouds, static discharge and ignition sources.

3. Composition / Information on Ingredients

This product is supplied as a technical-grade lignosulfonate powder. Exact composition may vary by batch within the agreed product specification. Components listed are not expected to be classified as hazardous at stated levels.

Component	CAS No.	Typical concentration	Classification
Sodium lignosulfonate	8061-51-6	60% - 80%	Not classified
Moisture / water	7732-18-5	0% - 5%	Not classified
Non-hazardous inorganic salts / mineral ash	Mixture	Balance	Not classified

4. First-Aid Measures

Exposure route	First-aid measures
Inhalation	Move person to fresh air. Rinse mouth and nasal passages if needed. Seek medical advice if coughing, irritation or breathing difficulty persists.
Skin contact	Wash with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
Eye contact	Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if large quantities are swallowed or symptoms occur.
Most important symptoms	Dust may cause mechanical irritation of eyes, skin and respiratory tract.
Special treatment	Treat symptomatically. No specific antidote known.

5. Fire-Fighting Measures

Item	Information
Suitable extinguishing media	Water spray, dry chemical powder, foam or carbon dioxide. Select media suitable for surrounding fire.
Unsuitable extinguishing media	Avoid high-pressure water jet that may disperse dust or spread burning material.
Specific hazards	Combustible organic powder. Dust clouds may present explosion hazard if

Item	Information
	suspended in air and exposed to ignition source.
Hazardous combustion products	Carbon monoxide, carbon dioxide, sulfur oxides and irritating smoke/fumes may be generated.
Firefighter protection	Wear self-contained breathing apparatus and full protective clothing. Avoid breathing fumes and dust.

6. Accidental Release Measures

Item	Guidance
Personal precautions	Avoid dust generation. Use eye protection, gloves and suitable dust mask/respirator if dusty conditions occur.
Emergency procedures	Ventilate area. Remove ignition sources. Prevent accumulation of dust on surfaces.
Environmental precautions	Avoid uncontrolled release to drains, waterways and soil. Collect spilled material promptly.
Cleanup methods	Sweep or vacuum using dust-controlled methods. Place in clean, labeled containers for reuse or disposal. Avoid dry sweeping that creates airborne dust.

7. Handling and Storage

Item	Guidance
Safe handling	Handle in a well-ventilated area. Avoid breathing dust and avoid contact with eyes. Use good industrial hygiene practices.
Dust control	Minimize dust generation. Ground/bond equipment where dust explosion risk exists. Keep away from open flames, sparks and static discharge.
Storage conditions	Store in original sealed packaging in a cool, dry, ventilated warehouse. Keep away from moisture, rain, direct sunlight and incompatible materials.
Incompatibilities	Strong oxidizing agents. Avoid contamination with acids or materials that may react with organic powders.

8. Exposure Controls / Personal Protection

No product-specific occupational exposure limit is established in this document. Apply applicable local limits for nuisance dust / particulates not otherwise regulated.

Control / PPE	Recommendation
Engineering controls	Provide general ventilation and local exhaust where dust may be generated.
Eye / face protection	Safety goggles or safety glasses with side shields when handling powder.
Skin protection	Protective gloves and normal work clothing. Wash hands after use.
Respiratory protection	Use NIOSH/approved or locally approved particulate respirator/dust mask when ventilation is inadequate or dusty work is performed.
Hygiene measures	Do not eat, drink or smoke in handling areas. Wash exposed skin after handling.

9. Physical and Chemical Properties

Property	Typical value / description
Physical state	Solid powder
Color	Yellow-brown to brown
Odor	Mild characteristic odor
pH	7.0 - 10.0, typical aqueous solution
Melting / freezing point	Not determined; material may decompose upon heating.
Boiling point	Not applicable to solid powder.
Flash point	Not applicable.
Flammability	Combustible organic powder; fine dust may form explosible mixtures in air.
Vapor pressure	Not applicable.
Relative density / bulk density	Variable; typically light bulk powder.
Solubility	Water soluble.
Partition coefficient	Not determined.
Auto-ignition / decomposition temperature	Not determined for this grade.
Particle characteristics	Powder; particle size varies by batch and milling condition.

10. Stability and Reactivity

Item	Information
Reactivity	No dangerous reactivity expected under normal handling and storage.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known under normal conditions. Dust clouds may ignite in the presence of ignition sources.
Conditions to avoid	Moisture, excessive heat, dust accumulation, static discharge, sparks, open flames and incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, sulfur oxides and smoke/fumes during combustion or thermal decomposition.

11. Toxicological Information

Likely routes of exposure: inhalation of dust, eye contact, skin contact and accidental ingestion. Available supplier SDS data for comparable sodium lignosulfonate products indicate low acute toxicity and no required classification, but final assessment should be confirmed for the specific product batch.

Endpoint	Information
Acute toxicity	Not classified. Comparable supplier SDS data report oral LD50 values greater than 2,000 mg/kg or higher in rats.
Skin corrosion / irritation	Not classified; dust may cause mechanical irritation.
Eye damage / irritation	Not classified; dust may cause mechanical irritation.
Respiratory or skin sensitization	Not expected / no known data indicating classification.
Germ cell mutagenicity	Not expected / not classified based on available information.
Carcinogenicity	Not listed as carcinogenic in this document. Check local regulatory lists for final compliance review.
Reproductive toxicity / STOT / aspiration	Not expected / not classified based on available information.

12. Ecological Information

Item	Information
Ecotoxicity	Not classified as hazardous to the aquatic environment based on available information for comparable sodium lignosulfonate materials.
Persistence / degradability	Lignosulfonates are organic polymers and may be partially biodegradable; rate depends on environmental conditions.
Bioaccumulative potential	Bioaccumulation is not expected for water-soluble lignosulfonate polymers.
Mobility in soil	Water soluble; may be mobile in water depending on soil and environmental conditions.
Other adverse effects	Avoid uncontrolled discharge to drains, surface water and soil.

13. Disposal Considerations

Item	Guidance
Waste treatment	Dispose of material and contaminated packaging in accordance with local, regional, national and international regulations.
Product disposal	Collect in labeled containers. Do not discharge large quantities to drains or waterways.
Packaging disposal	Empty packaging may retain residues. Handle as product residue unless cleaned. Recycle or dispose according to local requirements.

14. Transport Information

Transport item	Information
UN number	Not regulated / not assigned.
UN proper shipping name	Not regulated / not assigned.
Transport hazard class	Not regulated as dangerous goods under typical road, sea or air transport rules.
Packing group	Not applicable.
Environmental hazards	Not expected to be a marine pollutant based on available information.
Special precautions	Keep dry. Protect bags from damage. Avoid dust release and ignition sources during loading and handling.

15. Regulatory Information

Regulatory status depends on destination country, product composition, end use and importer obligations. The buyer/importer is responsible for confirming inventory listing, labeling and SDS adaptation requirements in the destination market.

Area	Information
GHS / CLP / HazCom	Not classified as hazardous according to available information for comparable sodium lignosulfonate products. Combustible dust and nuisance dust should be considered in workplace risk assessment.
Chemical inventories	Verify inventory status for the destination market before shipment if required.
Leather application	Suitability for restricted-substance programs, eco-labels or customer-specific compliance systems must be evaluated separately.

16. Other Information

Item	Information
Prepared by	GREEN AGROCHEM Industrial Chemicals LigninCorp
Revision date	May 2026
Version	V1.0
Document basis	Prepared in a 16-section SDS/MSDS format using available public supplier SDS references, product technical data and general industrial hygiene guidance.
Abbreviations	GHS = Globally Harmonized System; SDS = Safety Data Sheet; MSDS = Material Safety Data Sheet; PPE = Personal Protective Equipment; CAS = Chemical Abstracts Service.
Disclaimer	The information is provided for reference and general safety guidance only. It is not a guarantee of product properties, legal compliance or suitability for a specific use. Customers must verify product suitability, regulatory obligations and safe-use controls for their intended application.