

TECHNICAL DATA SHEET			
Sodium Lignosulfonate Leather Tanning Grade			
Lignin-Based Retanning Auxiliary and Dye-Leveling Dispersant for Leather Wet-End Processing			
Product Code	GAC-NaLS-Leather	Product Type	Lignosulfonate / Retanning Auxiliary / Dye-Leveling Dispersant
CAS No.	8061-51-6	Physical Form	Yellow-brown water-soluble powder
Version	V2.1 May 2026	Primary Markets	Leather - Retanning - Dyeing - Finishing Chemicals
Primary Role	Performance Focus	Industrial Fit	Supply Support
Retanning auxiliary and dispersant	Penetration, dye leveling, leather fullness	Leather wet-end and dyeing process support	TDS, SDS, COA and samples

1. Product Overview

Sodium Lignosulfonate Leather Tanning Grade is a water-soluble lignin-based anionic polymer designed as a wet-end auxiliary for leather retanning, dye dispersion and process-support applications.

This grade supports liquor distribution, dye leveling, penetration assistance and formulation consistency in validated chrome, vegetable or synthetic retanning systems.

2. Key Performance Functions

- Retanning Support: supports even distribution of tanning materials in wet-end processing.
- Dye Leveling: helps disperse dye components and reduce localized shade variation.
- Penetration Assistance: improves bath uniformity and supports more even chemical uptake.
- Leather Feel Support: can contribute to fullness, softness and flexible hand feel.
- Formulation Base: suitable for testing in blends with compatible tannins and auxiliaries.

3. Main Specifications

Parameter	Specification
Appearance	Yellow-brown powder
pH Value	7.0 - 10.0
Dry Matter	95% min
Water-Insoluble Matter	1.0% max
Dispersing Performance	Pass internal dispersion test
Sulphate Content	2.0% - 5.0%
Calcium & Magnesium	0.5% max
Lignosulfonate Content	60% min
Reducing Sugar	7.0% max
Moisture	5.0% max
Ash Content	Around 12.0% - 18.0%

Note: The above values are typical technical data for reference. Final agreed specification and COA shall prevail.

4. Recommended Application Areas

Application Area	Typical Use	Customer Value
Wet-End Retanning	Auxiliary with chrome, vegetable or synthetic retanning systems.	Supports uniform penetration and improves fullness.
Dyeing / Shade Leveling	Anionic dispersing aid for dye liquor and selected dyes.	Helps reduce shade variation and supports even color.
Vegetable Tannin Blends	Process-support additive for tannin blends and extracts.	Improves bath uniformity and controlled uptake.
Fatliquoring Support	Auxiliary dispersant where emulsion compatibility is verified.	Supports formulation consistency in the drum.
Auxiliary Formulation	Lignin-based component for selected wet-end blends.	Improves dispersion, handling and process robustness.

5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
Retanning support	1.0% - 4.0% on shaved weight	Start with lab drum trials; adjust by leather type, pH and target fullness.
Dye leveling	0.5% - 2.0% on shaved weight	Add after dilution. Verify dye compatibility and final shade before scale-up.
Tannin blends	1.0% - 5.0% of blend or as required	Optimize with the full tanning package; avoid direct
Site validation	Pilot test required	Dosage depends on hide type, bath ratio, auxiliaries, water quality and target result.

Dosage and application method should be verified by laboratory or pilot drum testing. Performance depends on leather type, pH, bath ratio, water hardness, auxiliaries, mixing time and target technical results.

6. Packaging, Storage & Handling

Packaging 25 kg woven bags / kraft bags with inner PE liner. 500 kg or 600 kg jumbo bags available on request. - Palletized, neutral or customized packing can be discussed.	Storage & Handling - Store in a cool, dry and ventilated warehouse. - Keep away from moisture, rain, direct sunlight and strong oxidizing materials. - Recommended shelf life: 12 months under original sealed packaging.
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Please refer to the corresponding Safety Data Sheet before use. Product suitability for regulated, eco-label or restricted-substance applications must be according to local laws, customer requirements and tannery compliance programs.

7. Documents & Technical Support

- TDS, SDS/MSDS, COA and agreed specification support.
- Sample arrangement and product grade recommendation.
- Packing photos, loading information and export document support.
- Application discussion and grade selection support for leather wet-end systems.

8. Inquiry Information

For quotation, sample request or technical document support

Please provide application, required quantity, destination port, packaging preference and target technical requirement.

Website: www.lignincorp.com | **Email:** info@greenagrochem.com

Disclaimer

The information in this Technical Data Sheet is provided for reference and general guidance only. It does not constitute a legally binding specification or warranty. Customers should conduct their own tests to determine product suitability for their intended application. Final commercial specification shall be subject to agreed contract, product grade and COA.