

TECHNICAL DATA SHEET			
Sodium Lignosulfonate Super Grade			
High-Purity Lignosulfonate Dispersant and Emulsifier for Advanced Industrial Formulations			
Product Code	GAC-NaLS-Super	Product Type	High-Purity Lignosulfonate / Dispersant / Emulsifier
CAS No.	8061-51-6	Physical Form	Brown water-soluble powder
Version	V2.1   May 2026	Primary Markets	Agrochemicals - Dyes - Ceramics - Concrete - Industrial Emulsions
Primary Role	Performance Focus	Industrial Fit	Supply Support
Premium dispersant	High purity and stability	Advanced formulations	TDS, SDS, COA and samples

### 1. Product Overview

Sodium Lignosulfonate Super Grade is a high-purity lignosulfonate product with elevated lignosulfonate content for demanding industrial dispersion and emulsification systems.

It is designed for formulations requiring strong particle dispersion, emulsion stability and consistent high-performance additive quality.

### 2. Key Performance Functions

- High-Purity Dispersant: supports strong dispersion and reduced agglomeration.
- Emulsion Stabilization: supports oil-water formulation stability.
- Thermal/Process Stability: suitable for demanding dye, pigment and industrial processing systems.
- Binder Support: helps improve green strength in fine ceramic and refractory systems.
- Premium Formulation Grade: for customers requiring higher lignosulfonate content and tighter performance control.

### 3. Main Specifications

Parameter	Specification
Appearance	Brown powder
Dry Matter	>= 95%
Water-Insoluble Matter	<= 0.5%
Calcium & Magnesium	<= 0.5%
Lignosulfonate Content	>= 95%
Moisture	<= 7.0%

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
Agrochemicals & Pesticides	Dispersant, wetting support and binder for WP, WG and SC systems.	Improves active ingredient distribution and formulation performance.
Dyes & Pigments	Premium dispersant for vat, disperse dyes and pigment systems.	Prevents agglomeration and improves process consistency.
Advanced Ceramics	Binder and rheology modifier for fine ceramics and refractories.	Improves green strength and structural integrity.
Specialty Concrete Admixtures	High-grade lignosulfonate for selected water-reducer formulations.	Improves flowability and formulation performance after testing.
Industrial Emulsions	Emulsion stabilizer for chemical formulations and water-treatment systems.	Improves emulsion stability and storage performance.

## 5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
<b>Agrochemical WP/WG/SC</b>	Trial dosage recommended	Optimize by active ingredient, milling process and formulation target.
<b>Dye/pigment systems</b>	0.5% - 5.0% starting range	Adjust by particle size and dispersion requirement.
<b>Ceramics/refractories</b>	0.1% - 1.0% starting range	Optimize by slurry viscosity and green strength target.
<b>Specialty formulations</b>	Compatibility test required	Verify salts, surfactants, pH and temperature stability.

Dosage and application method should be verified by laboratory or pilot testing. Performance depends on formulation type, raw materials, process conditions, temperature, moisture, mixing time and target technical results.

## 6. Packaging, Storage & Handling

<b>Packaging</b> <ul style="list-style-type: none"> <li>• 25 kg woven bags / kraft bags with inner PE liner.</li> <li>• 500 kg, 600 kg or 1,000 kg jumbo bags available on request.</li> <li>• Palletized, neutral or customized packing can be discussed.</li> </ul>	<b>Storage &amp; Handling</b> <ul style="list-style-type: none"> <li>• Store in a cool, dry and ventilated warehouse.</li> <li>• Keep away from moisture, rain, direct sunlight and strong oxidizing materials.</li> <li>• Recommended shelf life: 12 months under original sealed packaging.</li> </ul>
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Please refer to the corresponding Safety Data Sheet before use. Product suitability for regulated applications must be confirmed separately according to local laws and customer requirements.

## 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 industrial buyers.

## 8. Inquiry Information

### For quotation, sample request or technical document support

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

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## 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.