



## TECHNICAL DATA SHEET

### Sodium Alkyl Naphthalene Sulfonate Wetting Agent

Anionic wetting additive for rapid powder wetting, surface spreading and formulation compatibility

<b>Product Code</b>	GAC-IC-WA-SANS	<b>Product Type</b>	Anionic Wetting Agent / Alkyl Naphthalene Sulfonate
<b>CAS No.</b>	Typical CAS: 10042-59-8 / grade dependent	<b>Physical Form</b>	Light brown to brown powder
<b>Version</b>	VL0   May 2026	<b>Primary Markets</b>	Agrochemical Formulations - Pigments & Dyes - Textile - Powder Wetting
<b>Primary Role</b> Powder wetting agent	<b>Performance Focus</b> Surface tension reduction	<b>Best Fit</b> WP, WG, dyes, pigments	<b>Supply Support</b> TDS, SDS, COA and samples

#### 1. Product Overview

Sodium Alkyl Naphthalene Sulfonate Wetting Agent is an anionic surface-active additive designed to improve the wetting, spreading and penetration of water-based systems on powders, particles and solid surfaces. It supports rapid incorporation of hydrophobic or difficult-to-wet powders and helps reduce floating, fish-eye formation and uneven dispersion.

This grade is suitable for agrochemical WP/WG formulations, pigment and dye processing, textile processing, leather auxiliaries, coatings, inks and selected powder formulation systems where fast wetting and medium-to-low foaming performance are required.

#### 2. Key Performance Functions

- **Fast Powder Wetting:** accelerates water penetration into powders and granules.
- **Surface Spreading:** reduces surface tension and improves liquid contact with solid surfaces.
- **Dispersing Support:** improves the initial wetting step before full dispersion.
- **Formulation Compatibility:** compatible with many anionic and nonionic surfactant systems after testing.
- **Industrial Versatility:** useful across agrochemical, dye, pigment, coating and powder-processing applications.

#### 3. Main Specifications

Parameter	Specification
Appearance	Light brown to brown powder
Active Matter	60% - 90% typical / grade dependent
pH Value	7.0 - 9.5, typical aqueous solution
Moisture	<= 7.0% typical
Solubility	Soluble / dispersible in water
Ionic Character	Anionic
Foaming Tendency	Medium to low, grade dependent
Surface Activity	Effective wetting and spreading performance

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
Agrochemical WP/WG	Wetting of active ingredients and carriers.	Faster wetting, less floating and improved processing.
Pigments & Dyes	Initial wetting before dispersion or milling.	Improves color paste processing and dispersion efficiency.
Textile Processing	Wetting and penetration support.	Improves liquid uptake and treatment uniformity.
Coatings & Inks	Surface wetting and pigment wetting.	Supports stable water-based formulation systems.
Industrial Powders	Wetting of fillers, minerals and powders.	Reduces clumping and improves incorporation.

#### 5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
Agrochemical formulations	0.5% - 3.0% of formulation	Adjust by AI type, carrier and dispersant system.
Pigment/dye systems	0.2% - 2.0% on total formulation	Optimize with dispersant and defoamer package.
Textile/leather processing	0.5 - 3 g/L typical starting range	Confirm by fabric/leather type and process temperature.
Powder wetting	Pilot trial required	Validate by wetting time, foam and stability.

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

#### 6. Packaging, Storage & Handling

- **Packaging:** 25 kg woven bags / kraft bags with inner PE liner, drums or IBCs depending on grade. Jumbo bags, neutral packing 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 is 12 months under original sealed packaging unless otherwise specified.
- **Safety:** 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.
- Application discussion and grade selection support for industrial buyers.
- Formulation support for wetting, dispersing, foam control and compatibility evaluation.

#### **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](http://www.lignincorp.com) | Email: [info@greenagrochem.com](mailto: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.