



TECHNICAL DATA SHEET

Wetting and Dispersing Agent Blend

Integrated wetting and dispersing package for formulation processing and suspension stability

Product Code	GAC-IC-WA-WD	Product Type	Wetting Agent / Dispersant Blend / Formulation Stabilizer
CAS No.	Mixture / formulation dependent	Physical Form	Brown powder or liquid / grade dependent
Version	V1.0 May 2026	Primary Markets	Agrochemical - Pigments - Dyes - Ceramics - Suspension Systems
Primary Role Wetting + dispersion	Performance Focus Formulation stability	Best Fit WP, WG, SC, slurry	Supply Support TDS, SDS, COA and samples

1. Product Overview

Wetting and Dispersing Agent Blend is a combined formulation additive designed to support both initial powder wetting and subsequent particle dispersion. It is used where a single additive package is preferred to improve wetting speed, dispersion efficiency and suspension behavior.

The blend can be designed using naphthalene sulfonate, lignosulfonate, anionic surfactant and nonionic wetting components depending on final application requirements. It is suitable for agrochemical WP/WG/SC, pigment and dye dispersions, ceramic slurry, mineral slurry and other suspension systems after technical validation.

2. Key Performance Functions

- **Integrated Function:** combines wetting and dispersing support in one additive system.
- **Suspension Support:** helps reduce agglomeration and settling tendency.
- **Processing Efficiency:** supports faster mix-in and milling/dispersing operations.
- **Application Flexibility:** suitable for powders, pigments, minerals and actives after testing.
- **Grade Customization:** ionic type, foam profile and active level can be adjusted by formulation.

3. Main Specifications

Parameter	Specification
Appearance	Brown powder or liquid, grade dependent
Active Matter	40% - 95% typical / grade dependent
pH Value	6.0 - 10.0 typical aqueous solution
Moisture / Water Content	Grade dependent
Solubility	Water-soluble or water-dispersible
Ionic Character	Anionic / nonionic blend, grade dependent
Functional Profile	Wetting + dispersing + suspension support
Compatibility	Application-specific testing required

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/SC	Wetting, dispersion and suspension support.	Improves formulation processing and dispersibility.
Pigments & Dyes	Wetting and dispersing during milling.	Improves color paste stability and efficiency.
Ceramic Slurry	Particle wetting and dispersion.	Supports slurry flow and stability.
Mineral Processing	Powder wetting and slurry preparation.	Improves handling and dispersion.
Industrial Suspensions	Suspension and anti-agglomeration support.	Improves formulation stability after testing.

5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
WP/WG formulations	1.0% - 5.0% of formulation	Optimize with carrier, binder and active ingredient.
SC/suspension systems	0.5% - 3.0% of formulation	Validate particle size and storage stability.
Pigment/ceramic slurry	0.2% - 2.0% on solids or formulation	Adjust with viscosity and pH.
Industrial suspensions	Pilot trial required	Confirm compatibility and final 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 | 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.