



TECHNICAL DATA SHEET

Powder Wetting Agent for Industrial Formulations

Application-focused wetting additive for powders, fillers, minerals, pigments and dry formulation systems

Product Code	GAC-IC-WA-PW	Product Type	Formulated Wetting Additive / Industrial Powder Wetting System
CAS No.	Mixture / formulation dependent	Physical Form	White to brown powder / granule / liquid, grade dependent
Version	V1.0 May 2026	Primary Markets	Industrial Powders - Agrochemical - Ceramics - Pigments - Dry Mortar
Primary Role Powder wetting system	Performance Focus Anti-floating and fast mix-in	Best Fit Powders, fillers, minerals	Supply Support TDS, SDS, COA and samples

1. Product Overview

Powder Wetting Agent for Industrial Formulations is an application-focused wetting additive designed to improve the wetting and incorporation of powders, fillers, minerals, pigments and granular materials into water-based systems. It helps reduce powder floating, clumping and slow dispersion start-up.

This product series can be customized by ionic type, active content, foam profile and physical form. It is suitable for agrochemical WP/WG, ceramic slurry, pigment and dye systems, dry mortar additives, mineral powders, carbon black processing and other industrial powder systems after application testing.

2. Key Performance Functions

- **Anti-Floating:** helps powders sink and wet into the liquid phase.
- **Fast Mix-In:** shortens wetting and dispersion start-up time.
- **Broad Powder Coverage:** suitable for fillers, pigments, minerals and carriers after testing.
- **Formulation Flexibility:** can be adjusted for low-foam or high-compatibility requirements.
- **Process Support:** helps reduce undispersed agglomerates and mixing defects.

3. Main Specifications

Parameter	Specification
Appearance	Powder / granule / liquid, grade dependent
Active Matter	30% - 90% typical / grade dependent
pH Value	6.0 - 10.0 typical aqueous solution
Moisture	Grade dependent
Solubility	Water-soluble or water-dispersible
Ionic Character	Anionic / nonionic / blend, grade dependent
Foam Profile	Low to medium / customizable
Wetting Performance	Rapid powder wetting and anti-floating support

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	Powder wetting and granule dispersion.	Improves wetting speed and processing.
Ceramic Slurry	Powder and clay wetting.	Improves slurry preparation.
Pigments & Fillers	Initial powder wetting before milling.	Improves incorporation efficiency.
Dry Mortar / Building Materials	Powder wetting in water addition stage.	Supports smoother mixing and workability.
Mineral / Carbon Black Processing	Wetting of difficult powders.	Reduces dusting, floating and agglomerates.

5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
WP/WG formulations	0.5% - 3.0% of formulation	Optimize with dispersant and binder.
Ceramic/mineral slurry	0.1% - 1.0% on slurry or solids	Adjust by solids content and viscosity.
Pigment/filler systems	0.2% - 2.0% of formulation	Validate with milling process.
Dry powder systems	Pilot trial required	Confirm wetting time and final performance.

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.