



TECHNICAL DATA SHEET

Wetting Agent OT AOT

High-efficiency rapid wetting surfactant for fast surface contact and difficult-to-wet systems

Product Code	GAC-IC-WA-OT-AOT	Product Type	Sodium Dioctyl Sulfosuccinate / High-Efficiency Wetting Agent
CAS No.	577-11-7	Physical Form	White to off-white powder or waxy solid / grade dependent
Version	V1.0 May 2026	Primary Markets	Coatings - Inks - Pigments - Agrochemical - Textile - Emulsions
Primary Role Fast wetting agent	Performance Focus Rapid surface contact	Best Fit Coatings, inks, pigments	Supply Support TDS, SDS, COA and samples

1. Product Overview

Wetting Agent OT / AOT is a high-efficiency anionic wetting agent based on sodium dioctyl sulfosuccinate. It is designed for rapid wetting and strong surface tension reduction in water-based and selected solvent-compatible systems, subject to formulation validation.

This grade is suitable for coatings, inks, pigment dispersions, agrochemical formulations, textile processing and emulsion systems where fast surface contact and rapid wetting are required. Due to strong surface activity, dosage should be optimized carefully to control foam, stability and compatibility.

2. Key Performance Functions

- **High-Efficiency Wetting:** delivers strong wetting at low dosage.
- **Rapid Surface Contact:** improves liquid spreading on difficult surfaces.
- **Pigment Processing Support:** helps wet hydrophobic or low-energy particles.
- **Emulsion Assistance:** supports interfacial contact in selected emulsion systems.
- **Dose Efficiency:** useful when conventional wetting agents are too slow or require high dosage.

3. Main Specifications

Parameter	Specification
Appearance	White to off-white powder / waxy solid, grade dependent
Active Matter	70% - 97% typical / grade dependent
pH Value	6.0 - 8.0, typical aqueous dispersion
Moisture	Grade dependent
Solubility	Water-dispersible; solubility depends on concentration and grade
Ionic Character	Anionic
Wetting Performance	Very fast wetting
Foam	May foam depending on formulation

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
Coatings & Inks	Rapid substrate and pigment wetting.	Improves spreading and processing efficiency.
Pigment Dispersions	Initial wetting of difficult particles.	Supports faster dispersion start-up.
Agrochemical Formulations	Wetting support in selected systems.	Improves contact and powder incorporation.
Textile Processing	Fast wetting and penetration support.	Improves treatment uniformity.
Emulsion Systems	Interfacial wetting support.	Can assist selected emulsion systems after testing.

5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
Coatings / inks	0.05% - 0.5% typical starting range	Control foam and compatibility.
Pigment systems	0.1% - 1.0% on total formulation	Optimize with dispersant package.
Agrochemical formulations	0.1% - 1.0% typical starting range	Validate with active ingredient and carriers.
Textile processing	0.2 - 1.5 g/L typical	Confirm by wetting speed and foam.

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.