



TECHNICAL DATA SHEET

Wetting Agent JFC

Nonionic wetting and penetrating agent for textile processing, dyeing, leather and industrial cleaning systems

Product Code	GAC-IC-WA-JFC	Product Type	Fatty Alcohol Polyoxyethylene Ether / Nonionic Wetting & Penetrating Agent
CAS No.	Typical CAS: 37335-03-8 / formulation dependent	Physical Form	Colorless to light yellow liquid / paste / flakes, grade dependent
Version	VL0 May 2026	Primary Markets	Textile - Dyeing & Printing - Leather - Industrial Cleaning - Wetting
Primary Role Nonionic wetting	Performance Focus Penetration and compatibility	Best Fit Textile, cleaning, leather	Supply Support TDS, SDS, COA and samples

1. Product Overview

Wetting Agent JFC is a nonionic wetting and penetrating agent based on fatty alcohol polyoxyethylene ether chemistry. It is used to improve wetting, penetration, emulsification and washing performance in textile processing, dyeing and printing, leather processing and industrial cleaning formulations.

Compared with many anionic wetting agents, JFC-type nonionic wetting agents often provide good compatibility across electrolyte and pH conditions. Final performance depends on ethoxylation degree, active content, temperature and formulation composition.

2. Key Performance Functions

- **Nonionic Compatibility:** suitable for many water-based processing systems.
- **Textile Penetration:** improves fabric wetting and bath penetration.
- **Emulsifying Support:** assists oil/soil removal and cleaning systems.
- **Dyeing Uniformity:** supports even chemical contact in dyeing and printing.
- **Processing Flexibility:** available in liquid, paste or solid grades depending on formulation needs.

3. Main Specifications

Parameter	Specification
Appearance	Colorless to light yellow liquid / paste / flakes
Active Matter	>= 99% typical for concentrated grade / grade dependent
pH Value	5.0 - 7.5, typical aqueous solution
Cloud Point	Grade dependent
Solubility	Soluble or dispersible in water
Ionic Character	Nonionic
Wetting Performance	Good wetting and penetration
Compatibility	Good compatibility with many surfactant systems

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
Textile Pretreatment	Scouring, wetting and penetration.	Improves treatment uniformity.
Dyeing & Printing	Bath wetting and penetration support.	Supports even processing and dye contact.
Leather Processing	Wetting and emulsifying aid.	Improves chemical penetration.
Industrial Cleaning	Wetting, emulsifying and soil removal support.	Improves cleaning formulation contact.
Coatings / Water-Based Systems	Nonionic wetting support.	Improves surface contact after compatibility test.

5. Suggested Usage Guidance

Application	Typical Starting Dosage / Use	Technical Note
Textile pretreatment	0.5 - 3 g/L typical starting range	Adjust by fabric and process.
Dyeing/printing	0.3 - 2 g/L typical	Check foam and shade influence.
Cleaning formulations	0.5% - 5.0% of formulation	Optimize with surfactant blend.
Leather processing	0.2% - 1.0% on process weight	Confirm by process trial.

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.