



SAFETY DATA SHEET (SDS / MSDS)

Wetting and Dispersing Agent Blend

GREEN AGROCHEM Industrial Chemicals - Wetting Agent Product Safety Document

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| Product Code | GAC-IC-WA-WD | Revision Date | 2026-05-02 |
| CAS No. | Mixture / formulation dependent | Version | MSDS-GAC-IC-2026 |

SECTION 1: Identification

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| Product Name | Wetting and Dispersing Agent Blend |
| Synonyms | Wetting & Dispersing Agent Blend; Industrial Wetting Agent |
| CAS No. | Mixture / formulation dependent |
| Product Code | GAC-IC-WA-WD |
| Recommended Uses | Wetting and dispersing additive; Agrochemical formulation aid; Pigment/dye dispersant aid; Ceramic/mineral slurry additive. |
| Supplier | GREEN AGROCHEM CO., LIMITED |
| Address | South West Station Road, Fengtai District, Beijing, China |
| Email | info@greenagrochem.com |
| Website | www.lignincorp.com |
| Emergency Contact | Available during normal business hours. |

SECTION 2: Hazard(s) Identification

This product series is intended for industrial/professional use. Classification may vary depending on exact grade, active content and local regulations.

Potential hazards:

- May cause mild eye, skin or respiratory irritation depending on grade.
- Avoid dust or aerosol inhalation.
- Wet spilled material may create a slip hazard.
- Final classification depends on blend components and local regulations.

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| Signal Word | None or Warning, depending on final grade and classification |
| Precautionary Statements | Avoid contact with eyes. Avoid breathing dust, mist or aerosols. Use adequate ventilation. Wash hands after handling. Keep workplace clean and dry. |

SECTION 3: Composition / Information on Ingredients

| Component | CAS No. | Typical Content |
|---|----------------------------------|----------------------------|
| Surface-active wetting/dispersing components | Mixture / grade dependent | Main functional components |
| Water, carriers, salts or formulation auxiliaries | Not applicable / grade dependent | Typical minor constituents |

SECTION 4: First-Aid Measures

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| Inhalation | Move person to fresh air. Obtain medical advice if symptoms persist. |
| Eye Contact | Flush cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical attention if irritation persists. |
| Skin Contact | Wash thoroughly with soap and water. Remove contaminated clothing if necessary. |
| Ingestion | Rinse mouth and drink water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if discomfort occurs. |
| Most Important Symptoms | Possible mild mechanical or surfactant-related irritation to eyes, skin, nose or throat. |

SECTION 5: Fire-Fighting Measures

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| Suitable Extinguishing Media | Water spray, foam, dry chemical powder or CO ₂ . |
| Specific Hazards | Dry organic material may burn in strong fire conditions. Avoid dust clouds near ignition sources. |
| Hazardous Combustion Products | CO, CO ₂ , sulfur oxides, nitrogen oxides and irritating fumes. |
| Firefighter Protection | Use self-contained breathing apparatus and protective clothing for major fire. |

SECTION 6: Accidental Release Measures

- Avoid dust formation, aerosol generation and unnecessary contact.
- Sweep, shovel or vacuum dry material and collect in suitable containers.
- For liquid or paste grades, contain spill and absorb with sand, earth or suitable absorbent.



- Prevent release to drains, surface water and soil where practical.
- Wash remaining residues carefully because surfaces may be slippery.

SECTION 7: Handling and Storage

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| Handling | Avoid unnecessary dust, mist or aerosol generation. Use normal industrial hygiene practice. Avoid contact with eyes. Use mechanical transfer where practical. |
| Storage | Store in a cool, dry and ventilated warehouse. Protect from moisture, freezing where applicable, direct sunlight and contamination. Keep packaging tightly sealed. |
| Incompatible Materials | Strong oxidizing agents. Avoid excessive heating above normal processing conditions. |

SECTION 8: Exposure Controls / Personal Protection

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| Engineering Controls | General ventilation recommended. Local exhaust ventilation recommended where dust, mist or aerosol may form. |
| Eye Protection | Safety glasses or goggles, EN166 equivalent. |
| Hand Protection | Protective gloves suitable for industrial handling. |
| Respiratory Protection | Dust mask P2 / N95 or equivalent when dusty; suitable respirator where aerosol or mist may form. |
| Body Protection | Work clothing and safety shoes. |
| Hygiene Measures | Wash hands before eating, drinking or smoking. |

SECTION 9: Physical and Chemical Properties

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| Appearance | Brown powder or liquid / grade dependent |
| Physical State | Powder, granule, liquid or paste depending on grade |
| Odor | Light characteristic odor |
| pH | 6.0 - 10.0 typical aqueous solution |
| Solubility | Water-soluble or water-dispersible |
| Density / Bulk Density | Grade dependent |
| Typical Active Matter | 40% - 95% typical / grade dependent |
| Ionic Character | Anionic / nonionic blend, grade dependent |
| Thermal Decomposition | No specific data; avoid excessive heating |

SECTION 10: Stability and Reactivity

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| Reactivity | No dangerous reaction expected under normal use. |
| Chemical Stability | Stable under normal ambient and recommended storage conditions. |
| Conditions to Avoid | Excessive heating, moisture exposure for powder grades, freezing for liquid grades, incompatible materials. |
| Incompatible Materials | Strong oxidizing agents. |
| Hazardous Decomposition Products | CO, CO ₂ , SO _x , NO _x and irritating fumes under fire conditions. |

SECTION 11: Toxicological Information

- No product-specific complete toxicological dataset is available for all commercial grades.
- Dust, mist or splashes may irritate eyes and respiratory tract.
- Repeated or prolonged skin contact may cause dryness or mild irritation in sensitive users.
- Not known to be carcinogenic based on available information for typical commercial use; final assessment depends on grade and impurity profile.
- No unusual chronic effects reported for normal industrial handling when good hygiene practice is followed.

SECTION 12: Ecological Information

- Avoid uncontrolled release to drains, rivers, lakes and soil.
- Large releases of surfactant-containing material may affect aquatic organisms or wastewater treatment systems.
- Biodegradability and aquatic toxicity depend on exact grade and formulation.
- No significant bioaccumulation is expected for many water-soluble surfactant grades, but final assessment must be confirmed by grade-specific data.

SECTION 13: Disposal Considerations

Dispose of product residues, contaminated absorbents and packaging in accordance with local, regional and national regulations. Recycle uncontaminated product or packaging where practical.

SECTION 14: Transport Information

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| UN Number | Not regulated unless grade-specific classification indicates otherwise |
| Proper Shipping Name | Not classified as dangerous goods for typical industrial grades |
| Transport Hazard Class | Not regulated |
| Packing Group | Not regulated |
| Marine Pollutant | No, unless grade-specific data indicates otherwise |
| Transport Note | Confirm final classification according to exact product grade, packaging and transport jurisdiction. |

SECTION 15: Regulatory Information

Product is supplied for industrial/professional use unless otherwise confirmed in writing. Users are responsible for compliance with applicable local regulations, workplace exposure rules, use-specific requirements and downstream registration obligations.

SECTION 16: Other Information



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| Issue Date | 2026-05-02 |
| Prepared By | GREEN AGROCHEM CO., LIMITED |
| Document Type | Safety Data Sheet / Material Safety Data Sheet |
| Disclaimer | Information is provided for safe handling guidance and believed accurate at issue date. It does not constitute a warranty or final regulatory classification for every jurisdiction or application. |

ANNEX A: Exposure Scenario

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| 1. Identified Uses | Agrochemical formulation; Pigment/dye dispersion; Ceramic/mineral slurry; Industrial suspension systems. |
| 2. User Sectors | Industrial and professional users; downstream formulators and manufacturing sites. |
| 3. Product Form | Powder, granule, liquid or paste handled in bags, drums, IBCs, tanks or closed transfer systems. |
| 4. Operational Conditions | Indoor or covered outdoor use under normal ambient temperature. |
| 5. Duration and Frequency | Typical work shift up to 8 hours; batch or continuous industrial handling. |
| 6. Amount Used / Dilution | Use according to formulation, process requirement and customer technical instruction. |
| 7. Exposure Routes | Inhalation of dust/mist/aerosol, eye contact and skin contact. |
| 8. Engineering Controls | Use local exhaust ventilation, enclosed transfer or dust/mist collection where exposure may form. |
| 9. Respiratory Protection | Use P2/N95 dust mask when dusty; suitable respirator where mist or aerosol may form. |
| 10. Eye and Skin Protection | Use safety glasses/goggles, gloves, work clothing and safety shoes. |
| 11. Hygiene Measures | Wash hands after handling; do not eat, drink or smoke in work areas. |
| 12. Housekeeping | Clean spills promptly. Avoid accumulation of powder, residues or slippery wet deposits. |
| 13. Environmental Controls | Prevent discharge to drains, rivers, lakes and soil. |
| 14. Waste Controls | Collect residues and contaminated absorbents for disposal according to regulations. |
| 15. Storage Controls | Keep packaging sealed; protect from moisture, contamination and excessive heat. |
| 16. Downstream User Obligations | Evaluate suitability under actual process conditions and conduct workplace risk assessment where required. |

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