SAFETY DATA SHEET (SDS / MSDS)

Calcium Lignosulfonate Dust Control Liquid

GREEN AGROCHEM Industrial Chemicals - Lignosulfonate Product Safety Document

Product Code	GAC-CaLS-DC-Liquid	**Revision Date**	2026-05-02
CAS No.	8061-52-7	**Version**	MSDS-GAC-IC-2026

SECTION 1: Identification

Product Name	Calcium Lignosulfonate Dust Control Liquid
Synonyms	Calcium Lignosulphonate; Lignosulfonic Acid Calcium Salt
CAS No.	8061-52-7
Product Code	GAC-CaLS-DC-Liquid
Recommended Uses	liquid dust suppressant, road surface treatment, mining haul road dust control, spray-applied soil stabilization aid.
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 is not classified as hazardous under normal industrial handling based on available information.

Potential hazards:

- Liquid splash may cause mild eye irritation.
- Repeated skin contact may cause dryness in sensitive users.
- Spilled liquid may create a slip hazard.
- Dried residues may generate dust if mechanically disturbed.

Signal Word	None
Precautionary Statements	Avoid contact with eyes. Use adequate ventilation. Wash hands after handling. Keep workplace clean and dry.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Typical Content
Calcium Lignosulfonate	8061-52-7	Aqueous lignosulfonate solution, typically 45% - 55% solids
Water	7732-18-5	Balance

SECTION 4: First-Aid Measures

Inhalation	Move person to fresh air if mist or dried dust exposure occurs. 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.
Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing if necessary.
Ingestion	Rinse mouth and drink water. Seek medical advice if discomfort occurs.
Most Important Symptoms	Possible mild mechanical irritation to eyes, skin, nose or throat.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, foam, dry chemical powder or CO2.
Specific Hazards	Aqueous product is not readily flammable. Dried residues may burn in strong fire conditions.
Hazardous Combustion Products	CO, CO2, sulfur oxides, nitrogen oxides and irritating fumes.
Firefighter Protection	Use self-contained breathing apparatus for major fire.

SECTION 6: Accidental Release Measures

- Stop leak if safe to do so and contain the liquid.
- Use sand, earth or suitable absorbent to prevent spreading.
- Collect absorbed material in suitable containers.
- Prevent release to drains, surface water and soil where practical.
- Wash remaining residues carefully because surfaces may be slippery.

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SECTION 7: Handling and Storage

Handling	Avoid splashing and prolonged skin contact. Use normal industrial hygiene practice. Keep containers closed when not in use.
Storage	Store in tightly closed tanks, drums, IBCs or suitable containers. Protect from freezing, excessive heat and contamination.
Incompatible Materials	Strong oxidizing agents. Avoid excessive heating above normal processing conditions.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls	General ventilation recommended. Local exhaust may be used where mist or dried residue dust may form.
Eye Protection	Safety glasses or goggles, EN166 equivalent.
Hand Protection	Protective gloves suitable for industrial handling.
Respiratory Protection	Normally not required for liquid handling. Use P2 / N95 if dried dust or aerosol exposure occurs.
Body Protection	Work clothing and safety shoes.
Hygiene Measures	Wash hands before eating, drinking or smoking.

SECTION 9: Physical and Chemical Properties

Appearance	Brown liquid
Physical State	Liquid
Odor	Light characteristic odor
pH	4.5 - 10.0
Solubility	Completely miscible with water
Density	Approx. 1.20 - 1.30 g/cm3
Typical Solids	45% - 55% total solids
Typical Lignosulfonate Content	Typical 45% - 55% active solids
Thermal Decomposition	Approx. 200 - 230°C for dry solids

SECTION 10: Stability and Reactivity

Reactivity	No dangerous reaction expected under normal use.
Chemical Stability	Stable under normal ambient and recommended storage conditions.
Conditions to Avoid	Freezing, excessive heating, contamination and incompatible materials.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	CO, CO2, SOx, NOx and irritating fumes under fire conditions.

SECTION 11: Toxicological Information

- No known significant acute toxicity based on available information.
- 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 listed as carcinogenic by IARC, NTP or OSHA based on available information.
- No unusual chronic effects reported for normal industrial handling.

SECTION 12: Ecological Information

- Product is expected to be biodegradable/fermentable under appropriate environmental conditions.
- Large releases to surface water may increase biological oxygen demand and reduce dissolved oxygen.
- Avoid uncontrolled discharge to drains, rivers, lakes and soil.
- No bioaccumulation is expected for normal lignosulfonate products based on available information.

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

UN Number	Not regulated
Proper Shipping Name	Not classified as dangerous goods
Transport Hazard Class	Not regulated
Packing Group	Not regulated
Marine Pollutant	No
Transport Note	Not classified as dangerous goods for road, sea or air transport based on available information.

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, food/feed/use-specific requirements and downstream registration obligations.

SECTION 16: Other Information

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

1. Identified Uses	Liquid dust suppressant; Road surface spraying; Industrial yard spraying; Soil stabilization liquid.
2. User Sectors	Industrial and professional users; downstream formulators and manufacturing sites.
3. Product Form	Liquid handled in drums, IBCs, tanks, spray systems 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	Eye/skin contact, aerosol or mist exposure, and dust from dried residues.
8. Engineering Controls	Use closed transfer where practical and general ventilation for handling areas.
9. Respiratory Protection	Normally not required; use suitable respirator where mist or dried dust 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 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 containers closed; protect from freezing, 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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