

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking
1.1. Product Identifier

Product Name : Causticized Lignite
 Product Use : Drilling Mud Additive
 Product Type : Mixture

1.2. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
 Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
 Telephone : +1(868) 225-4858
 Mobile : +1(868) 720-2517
 Email : sdeokiesingh@greensolltd.com

1.4. Emergency Telephone Number

Emergency Number : +1(868) 720-2517 (GREENSOL)
 : +1(800) 424-9300 (CHEMTREC)

SECTION 2: Hazard Identification

Hazard Pictogram :



GHS05

Signal Word : **DANGER**
 Adverse Human Health Effect : No specific risk when handled in accordance with good occupational hygiene and safety practices.
 Environmental Effects : Negligible
 Physical and Chemical Hazards : Non-flammable solid
 Fire or Explosion : Finely divided particles may cause explosive mixtures in the air
 Other Hazards : No specific hazard under normal conditions of use

SECTION 3: Composition / Information on Ingredients

Chemical Characterization	Lignite Based Fluid Control Additive
Lignite Content	75-80 %
Alkali	20-25%

SECTION 4: First Aid Measures

- Eyes : Hold eyelids apart and flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
- Skin : Wash thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.
- Ingestion : Drink water to dilute. Never give anything by mouth to an unconscious person. Seek medical attention.
- Inhalation : If exposed to a high concentration of dust, remove to fresh air and restore breathing. If not breathing, give artificial respiration. Seek medical attention.
- Other Instructions : Sensitive individuals should avoid further contact. If irritation persists, seek medical attention. Persons seeking medical attention should carry a copy of this MSDS with them.

SECTION 5: Firefighting measures

- Extinguishing Media : Carbon dioxide, dry chemical, foam and water spray or fog. Use water to cool fire-exposed containers.
- Fire-Fighting Procedures : Normal firefighting procedures may be used.

SECTION 6: Accidental Release Measures

- Steps to be taken if the material is released or spilled : Wear proper protective equipment. Contain the spill and minimize dust. Re-package or recycle if possible, or place in a suitable waste container. Keep out of sewers and waterways.
- Spill Management : Avoid creating a dust Cloud. Shovel Sweep or use an industrial vacuum cleaner. Reduce airborne dust or scattering by moistening with water.
- Reporting : Please follow Local Laws.
- Disposal : The material must be disposed as per the Regulations of the Local Laws.

SECTION 7: Handling & Storage

- Precautions : Use caution to avoid dust and to prevent inhalation of dust. Avoid Breathing material, keep container closed. Use with adequate ventilation. Avoid contact with eyes, Skin and clothing.
- General Information : Keep away from oxidizing materials in a cool, dry, well-ventilated area.

SECTION 8: Exposure Controls / Personal Protection

Respiratory	: Wear a high-efficiency particulate respirator when exposure exceeds the recommended limits.
Ventilation	: Supply natural or mechanical ventilation adequate to keep exposures below the recommended exposure limits.
Skin	: Wear appropriate gloves and long protective clothing. Wash thoroughly after handling. Wash clothes and clean shoes before reuse.
Eyes	: Wear safety glasses with side guards. Ensure proper fit for best protection.
Other Protective Equipment	: Ordinary measures of personal hygiene should be observed. Avoid contact with eyes, skin and clothing and inhalation of dust.

SECTION 9: Physical and Chemical Properties

Appearance	: Blackish Brown Powder
Bulk Density	: 900-1000 Kg/m ³
Moisture Content (% by weight)	: <15%
Solubility in water (% by weight)	: > 70
Temp Stability	: >2050 C or 400°F

SECTION 10: Stability and Reactivity

Stability	: Stable under normal conditions of use.
Materials to avoid	: Strong oxidizers.
Hazardous decomposition products	: No dangerous reaction, decomposition known with common products.
Hazardous Polymerization	: Will not occur

SECTION 11: Toxicological Information

Acute Toxicity	: N/A
Eyes	: The material is dusty so may cause Irritation to the eyes.
Skin	: Skin irritation may occur in sensitive individuals after repeated or prolonged contact. Excessive or repeated inhalation may cause respiratory irritation.
Inhalation	: Excessive or repeated inhalation may cause respiratory irritation.
Ingestion	: Not to be swallowed but considered not harmful if swallowed.

SECTION 12: Ecological Information

Degradability	: This product is biodegradable.
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Effects on Aquatic Environment : Detrimental effects only at very high concentrations.

SECTION 13: Disposal Considerations

In accordance with local and national regulations provided by the local authorities.

SECTION 14: Transportation Information

The material is not regulated for transport of Dangerous Goods: ADR, IATA.

SECTION 15: Regulatory Information

NO Regulations Applicable

- Precautionary Labelling : WARNING! Contains powdered material, may cause eye, skin and respiratory tract irritation.
- Precautions for Transportation Handling and Storage : Protect sacks from heat and excessive moisture. Minimize dust exposure during use.

SECTION 16: Other Information

Notice to Reader:

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

Version	Date of Change	Change Description	Responsible Person
1	10-02-2025	Updated to supplier SDS Rev. 1	Laboratory Coordinator