

**CLEAR SOLUTIONS**Performance Drilling Products
The Earth Can Trust**PRODUCT NAME:** Clear-Stab® ULI**Safety Data Sheet No:** 5100EC

Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 830/2015

1. Identification of the Substances and Details of the Company**Product Name:****Date Prepared:** January 2019**Product Description:****Issue No:** 01**Company Name and Address:****Date Reviewed:** April 2019Clear Solutions International Ltd
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UK**Tel:** +44 (0) 1939 235754
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Email: info@drilling-products.com**2. Hazards Identification****Classification of the substance or mixture**

Classification (Regulation (EC) No 1272/2008: Not hazardous

Exempt from registration according to REACH article 2(7)(b) of the (EC) No 1907/2006 Annex V

Label elements

Labeling (Regulation (EC) No 1272/2008: Not classified

Other Hazards

Powdered material may form explosive dust-air mixtures

3. Composition/Information on Ingredients**Substances:**

Product description: A proprietary blend of non-classified materials.

For components with critical values that require monitoring at the workplace See Section 8.

For the full text of the R-phrases mentioned in this Section, see Section 16

Full text of H- and EUH-phrases: see section 16

4. First Aid Measures**Description of first aid measures**

General advice: In case of doubt or permanent symptoms, seek medical attention

Inhalation: Move person to fresh air. If symptoms develop, obtain medical attention.

Skin contact: Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water.

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Eye contact: If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes

Ingestion: Rinse mouth. If symptoms develop, obtain medical attention.

Protection of first aiders: No specific requirements

Most important symptoms and effects, both acute and delayed

None

Indication of any immediate medical attention and special treatment needed

None

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical or foam.

Extinguishing media which must not be used for safety reasons: None known

Special hazards arising from the substance or mixture

Special Exposure Hazards Arising from the Substance or Preparation Itself, Combustion Products, Resulting Gases:

Unusual Fire and Explosion hazards: Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

Hazardous combustion products: Potential for Carbon Monoxide (CO)

Advice for fire fighters

No special procedures – SCBA advisable

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Sweep up spilled substance but avoid breathing dust. Transfer to a container for disposal or recovery.

Reference to other sections

Sections 8 and 13

7. Handling and Storage

Precautions for safe handling

Avoid generation of dust. Use only with adequate ventilation to keep exposures (airborne levels of dust) below recommended exposure limits.

Conditions for safe storage, including any incompatibilities

Keep containers in a clean, cool (ambient temperatures) and dry area away from heat sources.



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Specific end use(s)

Industrial application – intended to be used as a drilling fluid additive

8. Exposure Controls/Personal Protection

Control parameters

No OES values known

Exposure controls



Engineering measures: None specific – provide adequate ventilation

Personal protective equipment

Eye protect: Use approved protective eyewear (safety goggles or face shield)

Hand protection: Protective gloves

Skin and body protection: Avoid unnecessary skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection: An approved dust mask should be worn if dust is generated during handling

Environmental exposure controls: Avoid release to the environment

9. Physical and Chemical Properties

Appearance and Odour:	Light to dark brown powder; slight odour
Odour Threshold:	No information available
pH	Not applicable
Melting/Freezing Point:	Not applicable
Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability:	Not applicable
Upper/lower flammability/explosive limits	No information available
Vapor Pressure (mm Hg):	Not applicable
Vapor Density (Air = 1):	Not applicable
Density (g/ml):	< 1; bulk density +/- 450 kg/m ³
Solubility in Water:	Partially soluble
Partition Coefficient: n-octanol/water:	Not applicable
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	Not applicable
Explosive Properties:	Fine dust component may create an explosive mixture with air
Oxidising Properties:	Not applicable



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10. Stability and Reactivity

Reactivity

Stable under normal conditions of use

Chemical stability

Stable under normal conditions of use

Possibility of hazardous reactions

No dangerous reactions under normal conditions of use

Conditions to avoid

None known

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

None expected

11. Toxicological Information

Toxicity: Not classified

Irritation: Dust may have an irritating effect on eyes

Sensitization: No data

Carcinogenicity: IARC, NTP, ACGIH do not list this product or any components thereof as known or suspected carcinogen

Repeated dose toxicity: No data

12. Ecological Information

Toxicity

No ecotoxicity effects are known for this product

Persistence and degradability

Biodegradable

Bio accumulative potential

Not expected to bioaccumulate

Mobility in soil

This product is partially soluble in water

Results of PBT and vPvB assessment

Not classified

Other adverse effects

None

13. Disposal Considerations

Recover or recycle if possible. The waste is considered to be non hazardous.



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14. Transport information

UN number

None assigned

UN proper shipping name

Not classified as dangerous for transport

Transport hazard class(es)

Air Transport IATA: Not a dangerous substance as defined in the respective regulations.

Inland Navigation ADN: Not a dangerous substance as defined in the respective regulations.

Maritime Transport IMDG: Not a dangerous substance as defined in the respective regulations.

Road Transport ADR/RID: Not a dangerous substance as defined in the respective regulations.

Environmental hazards

None assigned

Packing group

None assigned

Special precautions for user

None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not classified as dangerous for transport

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH): Annex XIV: Not listed; Annex XVII: Not applicable; does not contain substance on REACH candidate list

National regulations: No information available

Chemical Safety Assessment

No chemical safety assessment has been performed for this product

16. Other Information

Recommended use: Drilling fluids filtration control additive

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