



Safety Data Sheet

Version 1

1. IDENTIFICATION

Product Identifier

Product Name PolyMud Dry Powder

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Use Only / Solids separation process

Details of the supplier of the safety data sheet

Supplier Address

DCS Fluid Solutions LLC
PO Box 1027
Graham, TX 76450

Emergency Telephone Number

Company Phone Number Phone: 940-521-0500

Emergency Telephone (24 hr) Phone: 940-521-0500

2. HAZARDS IDENTIFICATION

Appearance White

Physical State Solid granular

Odor Odorless

According to Regulation 2012 OSHA
Hazard Communication Standard; 29
CFR Part 1910.1200

Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified

High risk of slipping due to leakage/spillage of product.

According to Regulation 1994 OSHA
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May cause mild eye and skin irritation based on a component of this product.

May cause some irritation to the respiratory system if dust is inhaled.

This type of product has a tendency to create dust if roughly handled. It does not burn readily but as with many organic powders, flammable dust clouds may be formed in air.

Use NIOSH approved respirator as needed to mitigate exposure.

Wear NIOSH-certified chemical goggles.

Avoid dust formation.

Wear protective clothing.

Caution - Slippery when wet!

3. COMPOSITION/INFORMATION ON INGREDIENTS**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

4. FIRST-AID MEASURES**First Aid Measures**

General Advice	Remove contaminated clothing.
Eye Contact	IF IN EYES: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.
Skin Contact	IF ON SKIN (or hair): Wash thoroughly with soap and water. If irritation develops, seek medical attention.
Inhalation	IF INHALED: If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

Ingestion IF SWALLOWED: Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Most important symptoms and effects

Symptoms The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known. Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry powder. Foam.

Unsuitable Extinguishing Media Water jet. Carbon dioxide.
If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard

Specific Hazards Arising from the Chemical

Carbon oxides, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire. Very slippery when wet.

Sensitivity to Static Discharge Take precautionary measures against static discharge.

Protective equipment and precautions for firefighters

Wear a self-contained breathing apparatus.

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Methods for Containment And cleaning up **For small amounts:** Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
Spilled product which becomes wet or spilled aqueous solution create a hazard because of their slippery nature. Avoid raising dust.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Forms slippery surfaces with water.

Protection against fire and explosion:

Avoid creating dust. Organic powders may be capable of generating static discharges and creating explosive mixtures in air. Handle with caution. The product is combustible. Avoid dust formation. When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice. In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and type 'c' FIBC (bulk bags), or other conductive the following instructions also apply: - Always ground this package before emptying. The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Further information on storage conditions: Store in unopened original containers in a cool and dry place. Avoid wet, damp or humid conditions, temperature extremes and ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

light protective clothing

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Dry	Odor	Odorless
Appearance	White granular	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>
pH	4.5 – 5.5
Melting Point/Freezing Point	The substance / product decomposes therefore not determine
Boiling Point/Boiling Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	The product is a non-volatile solid.
Flammability (Solid, Gas)	Not flammable
Upper Flammability Limits	For solids not relevant for classification and labeling

Lower Flammability Limit	For solids not relevant for classification and labeling
Vapor Pressure	The product has not been tested.
Bulk Density	approx. 564 kg/m ³
Specific Gravity	Not determined
Water Solubility	Forms a viscous solution.
Solubility in other solvents	Not determined
Partition Coefficient	Study scientifically not justified.
Auto-ignition Temperature	No applicable information available.
Decomposition Temperature	No decomposition if stored and handled as prescribed.
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not applicable-product is a solid
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions. Stable under normal conditions. No hazardous reactions known.

Conditions to Avoid

Avoid extreme temperatures. Avoid humidity.

Incompatible Materials

Strong acids, strong bases, strong oxidizing agents

Hazardous Decomposition Products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry

Eyes
Skin
Inhalation.
Ingestion.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: No applicable information available.

Oral

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg (OECD Guideline 401)

Inhalation

No applicable information available.

Dermal

No applicable information available.

Irritation / corrosion

Assessment of irritating effects: No applicable information available.

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Eye

Species: rabbit

Result: non-irritant

Sensitization

Assessment of sensitization: Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/EffectsRepeated dose toxicity

Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.

Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Other Information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish

LC50 (96 h) > 100 mg/l, Oncorhynchus mykiss (static) (under static conditions in the presence of 10 mg/L humic acid)

Aquatic invertebrates

LC50 (48 h) > 100 mg/l, Daphnia magna

Persistence and degradability

Elimination information

Information on: Anionic polyacrylamide

Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

Assessment bioaccumulation potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

Information on: Anionic polyacrylamide

Adsorption to solid soil phase is expected.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Other Adverse Effects

Not determined

Additional information

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
RCRA	Not a hazardous waste under RCRA (40 CFR 261).

14. TRANSPORT INFORMATION

<u>DOT</u>	Not classified as a dangerous good under transport regulations
<u>IATA</u>	Not classified as a dangerous good under transport regulations
<u>IMDG</u>	Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION**Federal Regulations****Registration status:**

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;**State regulations****CA Prop. 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL (ACRYLAMIDE) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Reactivity	Special Hazards
	0	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	0	0	0	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet