



## SAFETY DATA SHEET

### 1. Identification

<b>Product Identifier</b>	PolyMud Liquid
<b>Recommended use</b>	Not available
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	DCS Fluid Solutions
<b>Address</b>	PO Box 1027, Graham, TX 76450
<b>Phone</b>	940-521-0500
<b>Website</b>	www.dcsfluid.com
<b>Email</b>	<a href="mailto:dcfluids@sbcglobal.net">dcfluids@sbcglobal.net</a> / <a href="mailto:randy@dcsmud.com">randy@dcsmud.com</a>
<b>Emergency phone number</b>	940-768-8071

### 2. Hazard(s) Identification

<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Not classified
<b>Environmental hazards</b>	Not classified
<b>OSHA defined hazards</b>	Not classified
<b>Label elements</b>	
<b>Hazard symbol</b>	

<b>Signal word</b>	Warning
<b>Hazard statement</b>	Causes skin irritation.
<b>Precautionary statement</b>	Wash hands thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing. Dispose of contents/container as special waste in compliance with local and national regulations.
<b>Prevention</b>	Wear protective gloves/ protective clothing/ eye protection/ face protection.
<b>Response</b>	Wash hands after handling.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.

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Date prepared: April 5, 2016  
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Hazard(s) not otherwise classified (HNOC)  
Supplemental information

Combustible  
None

### 3. Composition/Information of Ingredients

#### Mixtures

Chemical Name	Common name and synonyms	CAS Number	%
Mineral Oil		8042-47-5	30-<40
Other components below reportable levels			60-<70

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First Aid Measures

#### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

#### Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

#### Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

#### Ingestion

Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

#### Most important symptoms, effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

#### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire Fighting Measures

#### Suitable extinguishing media

Water. Water spray. Foam. Dry chemicals. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

None known

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for firefighters

Not available

#### Firefighting equipment/instructions

Cool containers exposed to heat with water spray and remove container, if no risk is involved.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

#### General fire hazards

Combustible. No unusual fire or explosion hazards noted.

### 6. Accidental Release Measures

#### Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

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## Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground.

## Environmental precautions

## 7. Handling and Storage

### Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas.

### Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Mineral Oil (CAS 8042-47-5)	PEL	5 mg/m <sup>3</sup>	Mist.

#### US ACGIH Threshold Limit Values

Components	Type	Value	Form
Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction

#### US NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Mineral Oil (CAS 8042-47-5)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

### Biological limit values

### Appropriate engineering controls

No biological exposure limits noted for the ingredient(s). Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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## Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and Chemical Properties

### Appearance

Liquid emulsion

Physical state

Liquid

Form

Liquid

Color

Light Grey to White

Odor

None

Odor threshold

Not available

pH

4 – 9 @ 5 g/l

Melting point/freezing point

Not available

Initial boiling point and boiling range

680 °F (360 °C) estimated

Flash point

275.0 °F (135.0 °C) estimated

Evaporation rate

Not available

Flammability (solid, gas)

Not applicable

Upper/lower flammability or explosive limits

Flammability limit-lower (%)

Not available

Flammability limit-upper (%)

Not available

Explosive limit-lower (%)

Not available

Explosive limit-upper (%)

Not available

Vapor pressure

0.00001 hPa estimated

Vapor density

Not available

Relative density

Not available

Solubility

Solubility (water)

Not available

Partition coefficient (n-octanol/water)

Not available

Auto-ignition temperature

500 °F (260 °C) estimated

Decomposition temperature

Not available

Viscosity

Not available

Other Information

Density

0.87 g/cm<sup>3</sup> estimated

Flammability class

Combustible IIIB estimated

Percent volatile

34% estimated

Specific gravity

0.87 estimated

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## 10. Stability and Reactivity

### Reactivity

#### Chemical stability

#### Possibility of hazardous reactions

#### Conditions to avoid

#### Incompatible materials

#### Hazardous decomposition products

The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions.

No dangerous reaction known under conditions of normal use.

Contact with incompatible materials.

Strong oxidizing agents.

Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

## 11. Toxicological Information

### Information on likely routes of exposure

#### Inhalation

#### Skin contact

#### Eye contact

#### Ingestion

### Symptoms related to the physical, chemical and toxicological characteristics

### Information on toxicological effects

#### Acute toxicity

#### Skin corrosion/irritation

#### Serious eye damage/eye irritation

#### Respiratory or skin sensitization

##### Respiratory sensitization

##### Skin sensitization

#### Germ cell mutagenicity

### Carcinogenicity

#### IARC Monographs. Overall Evaluation of Carcinogenicity

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

### Reproductive toxicity

#### Specific target organ toxicity - single exposure

#### Specific target organ toxicity - repeated exposure

#### Aspiration hazard

#### Chronic effects

Prolonged inhalation may be harmful.

No adverse effects due to skin contact are expected.

Direct contact with eyes may cause temporary irritation.

Expected to be a low ingestion hazard.

Direct contact with eyes may cause temporary irritation.

Not available

Prolonged skin contact may cause temporary irritation.

Direct contact with eyes may cause temporary irritation.

Not a respiratory sensitizer.

This product is not expected to cause skin sensitization.

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

MINERAL OIL (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Not listed

This product is not expected to cause reproductive or developmental effects.

Not classified

Not classified

Not an aspiration hazard.

Prolonged inhalation may be harmful.

## 12. Ecological Information

### Ecotoxicity

#### Persistence and degradability

#### Bioaccumulative potential

#### Mobility in soil

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

No data is available on the degradability of this product.

No data available.

No data available.

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**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposable Considerations**

**Disposal instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport Information**

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not established.

**15. Regulatory Information**

**US Federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard Categories**

**Immediate Hazard: No**

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	<b>Delayed Hazard:</b> No
	<b>Fire Hazard:</b> No
	<b>Pressure Hazard:</b> No
	<b>Reactivity Hazard:</b> No
<b>SARA 302 Extremely hazardous substance</b>	Not listed
<b>SARA 311/312 Hazardous chemical</b>	No
<b>SARA 313 (TRI reporting)</b>	Not regulated
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not regulated
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated
<b>US state regulations</b>	
<b>US California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)</b>	Not listed
<b>US Massachusetts RTK – Substance List</b>	MINERAL OIL (CAS 8042-47-5)
<b>US New Jersey Worker and Community Right-to-Know Act</b>	Not listed
<b>US Pennsylvania Worker and Community Right-to-Know Law</b>	MINERAL OIL (CAS 8042-47-5)
<b>US Rhode Island RTK</b>	Not regulated.
<b>US California Proposition 65</b>	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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## **16. Other Information, Including Date of Preparation or Last Revision**

Date Prepared: April 5, 2016

Revision Date: April 5, 2016

Version Number: 01

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