



## SAFETY DATA SHEET

### 1. Identification

**Product Identifier** DCS Drilling Surfactant  
**Recommended use** Drilling fluid additive  
**Recommended restrictions** None known  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**  
**Company name** DCS Fluid Solutions  
**Address** PO Box 1027, Graham, TX 76450  
**Phone** 940-521-0500  
**Website** www.dcs mud.com  
**Email** [dcsluids@sbcglobal.net](mailto:dcsluids@sbcglobal.net) / randy@dcsmud.com  
**Emergency phone number** 940-768-8071

### 2. Hazard(s) Identification

**Physical hazards** Not classified  
**Health hazards** Not classified  
**Environmental hazards** Not classified  
**OSHA defined hazards** Not classified  
**Label elements**  
**Hazard symbol** None  
**Signal word** None  
**Hazard statement** The substance does not meet the criteria for classification.  
**Precautionary statement**  
**Prevention** Observe good industrial hygiene practices.  
**Response** Wash hands after handling.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.  
**Hazard(s) not otherwise classified (HNOC)** MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION  
**Supplemental information** None

### 3. Composition/Information of Ingredients

#### Mixtures

Chemical Name	Common name and synonyms	CAS Number	%
Sodium tripolyphosphate		7758-29-4	1-5

Material name: Sodium tripolyphosphate

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\*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.<sup>[1]</sup><sub>[SEP]</sub>

##### Skin contact

Remove all contaminated clothing, wash thoroughly with soap and water for at least 20 minutes. Get medical attention if irritation develops and persists.<sup>[1]</sup><sub>[SEP]</sub>

##### Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention.

##### Ingestion

Do NOT induce vomiting, give nothing by mouth, Obtain immediate medical attention

##### 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

Wear self-contained breathing apparatus for firefighting if necessary, Further Information Standard procedure for chemical fires, use extinguishing measure that are appropriate to surrounding fire/condition

##### 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

Use appropriate protective equipment. Prevent from entering sewers, waterways, or low areas Methods for cleaning up: isolate spill and stop leak where safe, contain spill with sand or other inert materials Scoop up and remove

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

##### Methods and materials for containment and cleaning up

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

##### Environmental precautions

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

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## 7. Handling and Storage

### Precautions for safe handling

Avoid contact with eyes, skin, or clothing, avoid breathing vapors. handle in accordance with good industrial hygiene and safety practice

### Conditions for safe storage, including any incompatibilities

Store in accordance with local, state, and federal regulations. Store in a cool, dry and well-ventilated area, away from incompatible materials. Keep container closed and sealed until ready for use. Store containers upright and sealed to prevent leakage.

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

Contains no hazardous substances, not applicable

### Occupational Exposure Limits

Use in a well-ventilated area

### Engineering Measures

Not normally needed, but if significant exposures are possible then wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate.

### Personal Protection Respiratory Protection:

Chemical-resistant gloves

### Hands:

Wear chemical safety goggles, with side guards. Insure proper fit for best protection. When transferring material wear face-shield in addition to chemical safety goggles.

### Eyes:

### Skin and body protection:

Wear appropriate safety coveralls or safety suit Choose body protection in relation to its type, to the concentration and amount of dangerous substance, and the specific workplace. Wear as appropriate, protective suit, safety shoes

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

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.

### 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

### Physical state

Liquid

### Form

Liquid

### Color

Light Green

### Odor

None/lemon like

### Odor threshold

Not available

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pH	8-10
Melting point/freezing point	Not available
Initial boiling point and boiling range	680 °F (360 °C) estimated
Flash point	98.3° C
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	
Vapor density	Not available
Relative density	1.005-1.020
Solubility	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not available
Viscosity	Not available
Other Information	
Density	Not available
Flammability class	Not available
Percent volatile	Not available
Specific gravity	Not available

## 10. Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions. <sup>[L]<sub>SEP</sub></sup>
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. <sup>[L]<sub>SEP</sub></sup>
Hazardous decomposition products	Carbon monoxide and carbon dioxide

## 11. Toxicological Information

Principle Route of Exposure:	Eye or skin contact, inhalation.
Acute and Chronic Toxicity:	
Product/ingredient name:	Sodium tripolyphosphate
General Product Information:	Rats fed sodium tripolyphosphate showed a decreased growth rate, increased kidney weight and kidney damage. This material was also responsible for lower levels of iron in the bone, liver, and spleen and decreased levels of calcium in the bone.
Chronic:	Long term skin overexposure to this product may lead to dermatitis (red, itchy skin)
Component Analysis:	LD50/LC50: Sodium Triopolyphosphate: Oral-Rat LD50-3120mg/kg:
Behavioral:	somnolence (general depressed activity) coma,

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## **Carcinogenicity:**

### **General Product Information:**

Sodium Triopolyphosphate is not considered carcinogenic by ACGIH, IARC, NIOSH, NTP, OR OSHA

### **Component Carcinogenicity:**

No information available.

## **12. Ecological Information**

### **Ecotoxicity**

Product can be dangerous to aquatic life if released to aquatic environment in large quantities

### **Persistence and degradability**

No data is available on the degradability of this product.

### **Bioaccumulative potential**

No data available.

### **Mobility in soil**

No data available.

### **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

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	1910.1200. All components are on the U.S. EPA TSCA Inventory List.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Pentasodium triphosphate
<b>SARA 304 Emergency release notification</b>	Not regulated.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>Hazard Categories</b>	<b>Immediate Hazard:</b> No <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>	Pentasodium triphosphate
<b>SARA 311/312 Hazardous chemical</b>	Pentasodium triphosphate: immediate (acute) health hazards
<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>	Pentasodium triphosphate
<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>	
<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>	
<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.

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

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