



## SAFETY DATA SHEET

### 1. Identification

**Product Identifier**  
**Recommended use**  
**Recommended restrictions**  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**

BALL BUSTER  
Drilling fluid additive / food additive  
None known

**Company name**  
**Address**

DCS Fluid Solutions  
PO Box 1027, Graham,  
TX 76450

**Phone**

940-521-0500

**Website**

[www.dcsmud.com](http://www.dcsmud.com)

**Email**

[don@dcsmud.com](mailto:don@dcsmud.com) / [randy@dcsmud.com](mailto:randy@dcsmud.com)

**Emergency phone number**

940-768-8071

### 2. Hazard(s) Identification

**Physical hazards**  
**Health hazards**  
**Environmental hazards**  
**OSHA defined hazards**

Eye irritant. Causes eye irritations  
Not classified  
Not classified  
The substance is classified and labeled according to OSHA 29 CFR 1910.1200 HCS.

### Label elements

**Hazard symbol**



GHS07

**Signal word**

Warning

**Hazard statement**

Causes eye irritation

**Precautionary statement**

**Prevention**

Observe good industrial hygiene practices. Wear eye protection / face protection

**Response**

Wash hands after handling. If in eyes, rinse continually with water for several minutes. If eye irritation persists seek medical advice / attention

**Storage**

Store away from incompatible materials.

**Disposal**

Dispose of waste and residues in accordance with local authority requirements.

**Hazard(s) not otherwise classified (HNOC)**

None known

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Supplemental information

None

### 3. Composition/Information of Ingredients

#### Mixtures

Chemical Name	Common name and synonyms	CAS Number	%
Sodium Acid Pyrophosphate	Sodium Acid Pyrophosphate Di-phosphoric Acid, Disodium Salt; Disodium Di-hydrogen Di-phosphate; Disodium Di-hydrogen Pyrophosphate; Disodium Pyrophosphate".	7758-16-9	95

\*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

No further relevant information available.

#### 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

Not available.

#### Special protective equipment and precautions for firefighters

Wear self-contained respiratory protective device.

#### 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

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**Personal precautions, protective equipment, and emergency procedures**  
**Methods and materials for containment and cleaning up**  
**Environmental precautions**

Keep unprotected personnel away.  
Do not allow product to reach sewage system.  
Dispose of the collected material according to regulations.

Do not allow product to reach sewage system

## 7. Handling and Storage

**Precautions for safe handling**  
**Conditions for safe storage, including any incompatibilities**

Prevent formation of dust  
Store in cool, dry conditions and well ventilated area. Keep packaging closed when not in use. Keep receptacle tightly sealed. No further relevant information available.

## 8. Exposure Controls/Personal Protection

**Occupational exposure limits**

No data available

**Biological limit values**  
**Appropriate engineering controls**  
**Individual protection measures, such as personal protective equipment**

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

**Eye/face protection**

Wear safety glasses with side shields or tightly sealed goggles.

**Skin protection**

**Hand protection**

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

**Other**

**Respiratory protection**

Wear suitable protective clothing.

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**

**Physical state**

Dry

**Form**

Powder

**Color**

White

**Odor**

None

**Odor threshold**

Not available

**pH**

4– 4.7 @ 10 g/l

**Melting point/freezing point**

>220° C (>428° F)

**Initial boiling point and boiling range**

Undetermined

**Flash point**

Not applicable

**Evaporation rate**

Not available

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<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit-lower (%)</b>	Not available
<b>Flammability limit-upper (%)</b>	Not available
<b>Explosive limit-lower (%)</b>	Not available
<b>Explosive limit-upper (%)</b>	Not available
<b>Vapor pressure</b>	Not determined
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not determined
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other Information</b>	
<b>Density</b>	1.1 g/cm <sup>3</sup> (9.18 lbs/gal)
<b>Flammability class</b>	Not available
<b>Percent volatile</b>	Not available
<b>Specific gravity</b>	0.87

## 10. Stability and Reactivity

<b>Reactivity</b>	The product is stable and non-reactive if used according to specifications of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Extreme heat. Excessive moisture
<b>Incompatible materials</b>	No further relevant information available
<b>Hazardous decomposition products</b>	Phosphorus oxides (P <sub>2</sub> O <sub>5</sub> ) Sodium oxide (NaO)

## 11. Toxicological Information

<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard. Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	<b>LD/LC50 values that are relevant for classification:</b> Rat oral LD50 [mg/kg] : > 2000 Rat inhalation LC50 [mg/kg] : No data available. Rabbit dermal LD50 [mg/kg] : >7940

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<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause serious irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Substance is not listed
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Substance is not listed
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified
<b>Specific target organ toxicity - repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Not determined

## 12. Ecological Information

<b>Ecotoxicity</b>	No further relevant information available
<b>Persistence and degradability</b>	No further relevant information available
<b>Bio-accumulative potential</b>	No further relevant information available
<b>Mobility in soil</b>	No further relevant information available
<b>Other adverse effects</b>	No further relevant information available

## 13. Disposable Considerations

<b>Disposal instructions</b>	Must not be disposed of together with household garbage. Dispose of product according to local and state regulations
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues.

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## Contaminated packaging

This material and its container must be disposed of in a safe manner (see: Disposal instructions).  
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 regulated as dangerous goods

## 15. Regulatory Information

### US Federal regulations

This substance is classified and labeled according to OSHA 29 CFR 1910.1200 HCS.

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

Substance is listed

### 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:**

**Delayed Hazard:**

**Fire Hazard:**

**Pressure Hazard:**

**Reactivity Hazard:**

### SARA 302 Extremely hazardous substance

### SARA 311/312 Hazardous chemical

### SARA 313 (TRI reporting)

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

#### Clean Air Act (CAA) Section 112(r)

#### Accidental Release Prevention (40 CFR 68.130)

#### Safe Drinking Water Act (SDWA)

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**US state regulations**  
**US California Controlled Substances. CA**  
**Department of Justice (California Health and Safety**  
**Code Section 11100)**  
**US Massachusetts RTK – Substance List**  
**US New Jersey Worker and Community Right-to-**  
**Know Act**  
**US Pennsylvania Worker and Community Right-to-**  
**Know Law**  
**US Rhode Island RTK**  
**US California Proposition 65**

#### 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).

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

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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 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. All information and recommendations concerning this product is based on tests and data believed to be reliable, however, it is the user's responsibility to determine the safety, toxicity and suitability for the user's own use of the product described herein. Since the actual use by others is beyond our control, no guarantee expressed or implied is made. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular conditions exist or because of applicable laws or government regulations.

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