



SAFETY DATA SHEET

1. Identification

Product Identifier	BALL BUSTER
Recommended use	Drilling fluid additive / food 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.dcsmud.com
Email	randy@dcsmud.com
Emergency phone number	940-768-8071

2. Hazard(s) Identification

Physical hazards	Eye irritant. Causes eye irritations
Health hazards	Not classified
Environmental hazards	Not classified
OSHA defined hazards	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

Supplemental information

None

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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	100

*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 (CO₂).

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

Personal precautions, protective equipment, and emergency procedures

Keep unprotected personnel away.

Do not allow product to reach sewage system.

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Methods and materials for containment and cleaning up
Environmental precautions

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).

Eyeface 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

Flammability (solid, gas)

Not applicable

Upper/lower flammability or explosive limits

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Flammability limit-lower (%)	Not available
Flammability limit-upper (%)	Not available
Explosive limit-lower (%)	Not available
Explosive limit-upper (%)	Not available
Vapor pressure	Not determined
Vapor density	Not available
Relative density	Not determined
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not determined
Decomposition temperature	Not available
Viscosity	Not available
Other Information	
Density	1.1 g/cm ³ (9.18 lbs/gal)
Flammability class	Not available
Percent volatile	Not available
Specific gravity	0.87

10. Stability and Reactivity

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

11. Toxicological Information

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

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

12. Ecological Information

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

13. Disposable Considerations

Disposal instructions	Must not be disposed of together with household garbage. Dispose of product according to local and state regulations
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.

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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)

US state regulations

US California Controlled Substances. CA

Department of Justice (California Health and Safety Code Section 11100)

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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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