



SECTION 1 – IDENTIFICATION

PRODUCT NAME: STRESSHIELD®
EFFECTIVE DATE: July 6, 2015
CHEMICAL FAMILY: Drilling Fluid Additive
USAGE: Well Bore Strengthening & Lost Circulation Control
FORMULA: Mixed Cellulose with Copolymer Particles
MANUFACTURER: SUN DRILLING PRODUCTS CORP.
503 MAIN STREET
BELLE CHASSE, LA 70037
504-393-2778

CHEMICAL EMERGENCY – Spill, Leak, Fire, Accident
USA/CANADA CALL 1-800-424-9300 – OUTSIDE CANADA CALL 1-703-527-3887

SECTION 2 – HAZARDS IDENTIFICATION

CLASSIFICATION: MILD IRRITANT, CATEGORY 2B

LABELING:

Symbol – No symbol

Signal Word- Warning

Hazard Statement – May cause eye irritation

Precautionary Statements – Wash hands thoroughly after using product to reduce risk of product transfer to eyes, which may cause slight irritation. Use eye protection, close-fitting safety glasses or goggles, suitable to prevent direct eye contact with product, and protective gloves.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Wood Fiber	25-49	9004-34-6
Calcium Carbonate	5-25	471-34-1
Copolymer Particles	5-25	68441-33-8
Soybean Oil	.01-1	8001-22-7

PEL (Permissible Exposure Limit)

Categorized as “Particles Not Otherwise Classified” 15 mg/m³ as Total Dust, 5 mg/m³ as Respirable Fraction.



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The criteria for listing components in the composition are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable states right to know and other regulatory information.

EMERGENCY OVERVIEW

APPEARANCE/ODOR:

Mixture of fibrous solids, flakes, and copolymer particles.

SHORT TERM EXPOSURE

GENERAL: No significant adverse health effects are expected to develop with normal intended use.

EYES: May be slightly irritating on direct contact.

SKIN: May cause slight irritation with prolonged exposure.

INHALATION: May cause irritation with prolonged exposure.

INGESTION: No significant adverse health effects expected to develop if only small amounts (less than a mouthful) are swallowed.

OSHA REGULATED:

Not regulated.

LISTED CARCINOGEN:

IARC MONOGRAPHS: Not classified.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

SKIN CONTACT:

If contact with skin results in irritation, wash thoroughly with soap and water.

INHALATION:

If affected by inhalation of particulates, remove to fresh air.

INGESTION:

If swallowed, do not induce vomiting; get immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT:

N/A

EXTINGUISHING MEDIA:

Foam Dry Agent; CO₂; Water spray or fog.

DECOMPOSITION PRODUCTS:

Sulfur oxides, aldehydes, and carbon oxides.

LOWER FLAME LIMIT:

N/A

HIGHER FLAME LIMIT:

N/A

UNUSUAL FIRE AND

EXPLOSION HAZARDS:

None Known

FIRE FIGHTING EQUIPMENT:

Firefighters and others exposed to products of combustion should wear self-contained breathing apparatus.



SECTION 6 – ACCIDENTAL RELEASE MEASURES

CHEMICAL EMERGENCY NUMBER (24 HOURS): CHEMTREC
1-800-424-9300 USA/CANADA
1-703-527-3887 Outside USA/Canada

SPILL: Collect material for re-use; if unusable, dispose of in accordance with applicable regulations for solid waste. Material as sold is not a RCRA Characteristic or Listed waste.

RCRA STATUS: None

SECTION 7 – HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND PROMPT REMOVAL OF MATERIAL FROM EYES, SKIN AND CLOTHING.

HANDLING AND STORAGE: Use only outdoors or in a well-ventilated area.

PRECAUTIONARY MEASURES:

Provide fresh air ventilation during material loading. Local exhaust is recommended. Avoid product buildup on surfaces, product may be slippery when wet and dust can be a combustible hazard if allowed to accumulate on surfaces around ignition sources. Close container after each use. Avoid prolonged or repeated contact with skin, eyes and clothing. After handling this product, wash hands thoroughly before eating, drinking, or smoking. If needed, take first aid action shown in Section 4.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting protective equipment.

EYE PROTECTION: Use close-fitting safety glasses or goggles to prevent direct eye contact.

RESPIRATORY PROTECTION: Use NIOSH-approved respirator for respirable dusts if OSHA 8-hour time weighted average permissible exposure limits of 15 mg/m³ Total Dust or 5 mg/m³ Respirable Dust are exceeded during material use.



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Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded. Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134

PROTECTIVE GLOVES: Wear impervious gloves if irritating to skin.
VENTILATION: Local exhaust recommended.

VENTILATION NOTES: Provide natural or mechanical ventilation to control exposure levels below permissible exposure limit. The use of local mechanical exhaust ventilation is preferred. Consult NFPA Standard 91 for design of exhaust systems.

ACGIH TLV (THRESHOLD LIMIT VALUE): 3 mg/m³ for respirable dust.
PROTECTIVE EQUIPMENT: Safety Glasses, Gloves

The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR:	Mixture of fibrous solids, flakes, and copolymer particles.
BOILING POINT:	N/A
FREEZING POINT:	N/A
FLASH POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY (AIR = 1):	N/A
pH:	6.0-7.0
EVAPORATION RATE:	N/A
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	ND
PARTITION COEFFICIENT:	ND
AUTO-IGNITION TEMPERATURE:	ND
DECOMPOSITION TEMPERATURE:	ND
VISCOSITY:	ND
SOLUBILITY IN WATER:	Easily dispersible in oil.
BULK DENSITY:	Uncompacted 10 lb/ft ³ ; Compacted 15 lb/ft ³

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:	Material is stable.
HAZARDOUS POLYMERIZATION:	Will Not Occur.
INCOMPATIBILITY:	Avoid strong oxidizing agents and active metals, such as potassium, calcium, sodium, powdered aluminum, zinc, and magnesium.
CONDITIONS TO AVOID:	None known.



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SECTION 11 – TOXICOLOGICAL INFORMATION

EYE CONTACT/SKIN CONTACT: Mechanical irritation; no toxicity determined.
INGESTION: Not determined.
INHALATION: Inhalation toxicity not determined.

Chronic Effects/Carcinogenicity: Not a listed or potential carcinogen according to IARC, NTP and OSHA.

SECTION 12 – ECOLOGICAL INFORMATION

Data from laboratory studies and from scientific literature is noted below if available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Follow local regulations regarding disposal of solid industrial waste. Product as sold is a not a RCRA-listed waste.

SECTION 14 – TRANSPORTATION INFORMATION

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations to properly classify your shipment for transportation.

PROPER SHIPPING NAME: NOT REGULATED – StresShield®
REPORTABLE QUANTITY: N/A
HAZARD CLASS AND LABEL: N/A
UN NUMBER: N/A
NA NUMBER: N/A
PACKAGING SIZE: 50 pound Bag

SECTION 15 – REGULATORY INFORMATION

SARA 311 CATEGORIES:

EPA ACUTE: No
EPA CHRONIC: No
EPA IGNITABILITY: No
EPA REACTIVITY: No
EPA SUDDEN RELEASE OF PRESSURE: No
CERCLA RQ VALUE: None
SARA TPQ: None
SARA RQ: None



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EPA HAZARD WASTE#:	None
CLEAN AIR:	NA
CLEAN WATER:	NA
SARA SECTION 313:	No
NFPA HEALTH:	1
NFPA FLAMMABILITY:	0
NFPA REACTIVITY:	0
DEA Chemical Trafficking Act:	N/A
TSCA STATUS:	All ingredients in this product are on the TSCA Inventory List.

CANADA:

This product contains one or several components listed in the Canadian NDSL. All other components are listed in the Canadian DSL, or are exempt from listing.

SECTION 16 – ADDITIONAL INFORMATION

FOOT NOTES: N/A NOT APPLICABLE
> = GREATER THAN

ND – NO DATA AVAILABLE
< = LESS THAN

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