



## Safety Data Sheet STRESSHIELD

### SECTION 1 – IDENTIFICATION

**PRODUCT NAME:** STRESSHIELD  
**EFFECTIVE DATE:** December 15, 2020  
**CHEMICAL FAMILY:** Drilling Fluid Additive  
**FORMULA:** Proprietary Mixture  
**MANUFACTURER:** SUN DRILLING PRODUCTS CORP.  
d/b/a/ SUN SPECIALTY PRODUCTS  
503 Main Street  
Belle Chasse, LA 70037

**CHEMICAL EMERGENCY – Spill, Leak, Fire, Accident**  
USA/Canada Call 1-800 424-9300 CHEMTREC

### SECTION 2 – HAZARD IDENTIFICATION

**CLASSIFICATION:** CATEGORY 2B (Eyes) CATEGORY 3 (Skin)

**LABELLING:**

**Symbol** – No Symbol

**Signal Word** - Warning

**HAZARD STATEMENTS:**

H316 Causes mild skin irritation.

H320 Causes eye irritation.

**PRECAUTIONARY STATEMENTS:**

P332 +P313 If skin irritation occurs, get medical advice/attention.

P305 +P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: get medical advice/attention.

P264 Wash hands thoroughly after handling to reduce risk of product transfer to eyes. Use eye protection, close-fitting safety glasses or goggles, and protective gloves suitable to prevent direct contact with product.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
THIS PRODUCT IS NOT CONSIDERED HAZARDOUS AS PER 29CFR 1910.1200.			NONE ESTABLISHED

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, by weight or volume. Non-hazardous components may be listed at



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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:**

Black Liquid/Mild Odor

**SHORT TERM EXPOSURE**

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

**EYES:** Slight to moderate irritation.

**SKIN:** Slight to moderate irritation.

**INHALATION:** Persons with pre-existing respiratory disorders may experience slight irritation.

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

**OSHA REGULATED:** Not regulated.

**LISTED CARCINOGEN:** NTA - Not classified.      **IARC MONOGRAPHS -** Not classified.

### **SECTION 4 – FIRST AID MEASURES**

**EYE CONTACT -** In case of eye contact, flush immediately with water for a minimum of 15 minutes; seek medical attention if contact irritation persists.

**SKIN CONTACT –** Avoid direct repeated skin contact. If contact results in irritation, wash thoroughly with soap and water.

**INHALATION -** If affected by inhalation, remove to fresh air.

**INGESTION -** If swallowed, do not induce vomiting; seek immediate medical attention.

### **SECTION 5 – FIRE FIGHTING MEASURES**

**FLASHPOINT:** >275°F

**EXTINGUISHING MEDIA:** Water fog or spray, Foam, Dry Powder, Carbon Dioxide.

**DECOMPOSITION PRODUCTS:** From fire, Carbon Oxides.

**LOWER FLAME LIMIT:** NA

**HIGHER FLAME LIMIT:** NA

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None Known.

**FIRE FIGHTING EQUIPMENT:** Fire Fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**CHEMICAL EMERGENCY NUMBER (24 HOURS):** CHEMTREC 1-800-424-9300 USA/CANADA

**SPILL:** In case of spill, if product cannot be collected by vacuum and recycled, dispose of in accordance with applicable regulations. Product as sold would be a nonhazardous industrial waste. Avoid spillage into drains, surface, and ground water.

**RCRA STATUS:** Not a Characteristic or Listed RCRA waste.



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### 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. Good housekeeping is essential in reducing possible slipping hazards.

**HANDLING AND STORAGE:** No special storage requirements. Provide sufficient general ventilation during and after application. Avoid prolonged or repeated contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking or smoking. If necessary, 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 goggles or safety glasses with faceshield if splashing is possible.

**RESPIRATORY PROTECTION:** Not normally needed. Use NIOSH-approved respirator if exposure is unknown or exceeds any permissible limits.

**PROTECTIVE GLOVES:** Wear impervious gloves.

**VENTILATION:** General or Local exhaust.

**LOCAL EXHAUST:** Recommended in closed places.

Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). 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.

**VENTILATION NOTES:** Provide general or local ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

**THRESHOLD LIMIT VALUE:** None established for this Product.

**PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTION:** B: 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

<b>APPEARANCE/ODOR:</b>	Black Liquid/ Mild Odor
<b>BOILING POINT:</b>	140°C
<b>FREEZING POINT:</b>	-5°C
<b>FLASHPOINT:</b>	> 135°C (> 275°F)
<b>VAPOR PRESSURE:</b>	760 mm



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**VAPOR DENSITY (AIR = 1):** Like water  
**SPECIFIC GRAVITY** 1.08-1.11 g/cc  
**pH:** 10-11  
**SOLUBILITY IN WATER:** Partial

### SECTION 10 – STABILITY AND REACTIVITY

**STABILITY:** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  
**HAZARDOUS POLYMERIZATION:** Will Not Occur.  
**CONDITIONS TO AVOID:** None known.  
**INCOMPATIBILITY:** Avoid strong acids and bases.

### SECTION 11 – TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** There is no evidence associating single exposure to the substance with a consistent and identifiable toxic effect.  
**SKIN CORROSION/IRRITATION:** Persons with pre-existing skin disorders may experience slight irritation.  
**SERIOUS EYE DAMAGE/IRRITATION:** May be irritating to eyes on direct contact.  
**GERM CELL MUTAGENICITY:** ND  
**CARCINOGENICITY:** ND  
**REPRODUCTIVE TOXICITY:** ND  
**STOT-SINGLE EXPOSURE:** There is no evidence associating single exposure to the substance with a consistent and identifiable toxic effect.  
**STOT- REPEATED EXPOSURE:** There is no evidence associating repeated exposure to the substance with a consistent and identifiable toxic effect.  
**ASPIRATION HAZARD:** ND

### SECTION 12 – ECOLOGICAL INFORMATION

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

### SECTION 13 – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Follow applicable governing regulations for disposal. Product as sold is nonhazardous per RCRA.

### 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:** DOT NON-REGULATED



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**HAZARD CLASS AND LABEL:** N/A  
**UN/NA NUMBER:** N/A  
**HARMONIZED CODE/TARIFF CODE** 3907.20.0000  
**PACKAGING SIZE:** 55-Gallon Drums, 275-Gallon Totes

### 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 under CERCLA but check individual State Regulations

**SARA TPQ:** None  
**SARA RQ:** None  
**EPA HAZARD WASTE#:** None  
**CLEAN AIR:** N/A  
**CLEAN WATER:** N/A  
**SARA SECTION 313:** No  
**NFPA HEALTH:** 1  
**NFPA FLAMMABILITY:** 1  
**NFPA REACTIVITY:** 0  
**DEA Chemical Trafficking Act:** N/A  
**TSCA STATUS:** All ingredients in this product are on the TSCA Inventory List.  
**CANADIAN DOMESTIC SUBSTANCES LIST** All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

### SECTION 16 – OTHER INFORMATION

**REVISION DATE:** December 15, 2020

**FOOT NOTES:** N/A NOT APPLICABLE      **ND** – NO DATA AVAILABLE  
> = GREATER THAN      < = LESS THAN

**REVISION STATEMENT:** Changes have been made throughout this Safety Data Sheet. Please read the entire document.

#### **DISCLAIMER:**

Although the information and recommendations set forth herein (hereinafter “Information”) are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this SDS will make their own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the



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**user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product.**

**NO REPRESENTATIONS OR WARRANTIES EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THIS INFORMATION REFERS.**

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