



**Safety Data Sheet**  
**SX-PLUS® (FINE/COARSE)**

**SECTION 1 – IDENTIFICATION**

**PRODUCT NAME:** SX-PLUS® FINE/COARSE  
**EFFECTIVE DATE:** May 15, 2015  
**CHEMICAL FAMILY/**  
**FORMULA:** Drilling Fluid Additive (Granular Graphite)  
**MANUFACTURER:** Proprietary  
SUN DRILLING PRODUCTS CORP.  
503 Main Street  
Belle Chasse, LA 70037

**CHEMICAL EMERGENCY – Spill, Leak, Fire, Accident**  
USA/Canada Call 1-800 424-9300 CHEMTREC – Outside USA/Canada Call 1-703-527-3887

**SECTION 2 – HAZARD IDENTIFICATION**

**CLASSIFICATION:** MILD IRRITANT, CATEGORY 2B

**LABELLING:**

**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 particulate irritation. Use eye protection, close-fitting safety glasses or goggles, suitable to prevent direct eye contact with product.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>HAZARDOUS INGREDIENT</b> | <b>PERCENT</b> | <b>CAS NUMBER</b> | <b>PEL*</b>  |
|-----------------------------|----------------|-------------------|--|
| Graphite                    | 50-100         | 7782-42-5         | 15 mg/m <sup>3</sup> , total dust<br>5 mg/m <sup>3</sup> , respirable fraction |
| Carbon                      | 50-100         | 7440-44-0         | 15 mg/m <sup>3</sup> , total dust<br>5 mg/m <sup>3</sup> , respirable fraction |

\*Table Z-1 8-hr Time Weighted Average

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.



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### **EMERGENCY OVERVIEW**

#### **APPEARANCE/ODOR:**

Black Granules/Odorless

#### **SHORT TERM EXPOSURE**

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

**EYES:** Slight to moderate mechanical irritant on direct contact.

**SKIN:** Persons with pre-existing skin disorders may experience slight mechanical irritation.

**INHALATION:** No adverse effects with normal use. Repeated or prolonged overexposure may result in respiratory symptoms, particularly in those with a pre-existing respiratory condition.

**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:** NTP RoC- Not listed. 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** – If contact with skin 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:** Auto ignition >500° C

**EXTINGUISHING MEDIA:** Water, Foam Dry Agent (543)

**DECOMPOSITION PRODUCTS:** Nitrogen and Carbon Oxides

**LOWER FLAME LIMIT:** NA

**HIGHER FLAME LIMIT:** NA

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Product is electrically conductive and accumulations of dust can create a combustible dust hazard in addition to short circuits. Good housekeeping is essential to mitigate combustible dust hazard.

**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

1-703-527-3887 Outside USA/Canada

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

**RCRA STATUS:** Not regulated.



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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 or combustible dust hazards.

**HANDLING AND STORAGE:** No special storage requirements. Provide sufficient general ventilation during and after application. Close container after each use to prevent contamination. 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 close-fitting safety glasses, goggles or safety glasses with faceshield to prevent particles from contacting eye and causing particulate irritation.

**RESPIRATORY PROTECTION:** Not normally needed. Use NIOSH approved respirator for particulates 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.

**ACGIH THRESHOLD LIMIT VALUE:** 2.0 mg/m<sup>3</sup> (respirable) for Graphite; 10 mg/ m<sup>3</sup> (respirable) for Carbon

**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.



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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                                 |   |
|---------------------------------|---|
| <b>APPEARANCE/ODOR:</b>         | Black Granules/Odorless                 |
| <b>BOILING POINT:</b>           | IBP 284°F (140°C)                       |
| <b>FREEZING POINT:</b>          | N/A                                     |
| <b>FLASHPOINT:</b>              | N/A                                     |
| <b>VAPOR PRESSURE:</b>          | N/D                                     |
| <b>VAPOR DENSITY (AIR = 1):</b> | >1                                      |
| <b>SPECIFIC GRAVITY</b>         | 1.50 (60#/ft <sup>3</sup> bulk density) |
| <b>pH:</b>                      | N/A                                     |
| <b>SOLUBILITY IN WATER:</b>     | Insoluble                               |

**SECTION 10 – STABILITY AND REACTIVITY**

|                                  |  |
|----------------------------------|--|
| <b>STABILITY:</b>                | Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| <b>HAZARDOUS POLYMERIZATION:</b> | Will Not Occur.  |
| <b>CONDITIONS TO AVOID:</b>      | None known.  |
| <b>INCOMPATIBILITY:</b>          | 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:** Granules may be a mechanical irritant 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:** N/A

**SECTION 12 – ECOLOGICAL INFORMATION**

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





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