



**Safety Data Sheet**  
**SUN CG**

**SECTION 1 – IDENTIFICATION**

**PRODUCT NAME:** SUN CG  
**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, Skin, and Respiratory Irritation

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

Product is a combustible dust and may form explosive air/dust mixtures in contact with sparks, open flames, or temperatures in excess of 1000F (570C). Avoid processing in locations close to potential sparking or ignition sources. Good housekeeping is critical to mitigate combustible dust hazard.

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

<b>HAZARDOUS INGREDIENT</b>	<b>PERCENT</b>	<b>CAS NUMBER</b>	<b>PEL*</b>
Gilsonite	50-100	12002-43-6	15 mg/m <sup>3</sup> , total dust 5 mg/m <sup>3</sup> , respirable fraction

\*Table Z-1 8-hr Time Weighted Avg; PEL based on classification as a Particulate Not Otherwise Classified (PNOC), as an Inert or Nuisance Dust.

**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:**

Brownish Black Powder/ Hydrocarbon Odor

### **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. Overexposure may result in respiratory symptoms, such as nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

**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:** (COC) 599°F

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

**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.



## 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:** 3.0 mg/m<sup>3</sup> (Respirable fraction)

**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>	Brownish Black Powder/ Hydrocarbon Odor
<b>BOILING POINT:</b>	NA
<b>FREEZING POINT:</b>	NA
<b>FLASHPOINT:</b>	599°F
<b>VAPOR PRESSURE:</b>	N/D
<b>VAPOR DENSITY (AIR = 1):</b>	NA
<b>SPECIFIC GRAVITY</b>	1.04-1.06
<b>pH:</b>	N/A
<b>SOLUBILITY IN WATER:</b>	Soluble in various petroleum and chlorinated solvents

**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.

**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 – SUN CG  
**REPORTABLE QUANTITY:** None  
**HAZARD CLASS AND LABEL:** None  
**UN/NA NUMBER:** N/A  
**HARMONIZED CODE/TARIFF CODE** 2504.90.0000  
**PACKAGING SIZE:** 50# Bags

**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  
**EPA HAZARD WASTE#:** None  
**CLEAN AIR:** N/A  
**CLEAN WATER:** N/A  
**SARA SECTION 313:** No  
**NFPA HEALTH:** 0  
**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.

**SECTION 16 – OTHER INFORMATION**

**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.



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