



SAFETY DATA SHEET

SUNSWEEP®

SECTION 1 – IDENTIFICATION

PRODUCT NAME: SUNSWEEP®
EFFECTIVE DATE: April 26, 2018
CHEMICAL FAMILY: Drilling Fluid Additive

U.S. MANUFACTURER: SUN DRILLING PRODUCTS CORP.
503 Main Street
Belle Chasse, LA 70037

CANADIAN IMPORTER : SUN DRILLING PRODUCTS CORP.
#102 6660 Taylor Drive
Red Deer, AB TYP 1Y3
(403) 341-5046 (for 24-hr Emergency call Chemtrec)

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

SECTION 2 – HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture:

This substance is classified as hazardous as a combustible dust by the United States 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Hazardous Products Regulation (HPR) 2015. The signal word, hazard statement and precautionary statements in the United States and Canada are:

2.2 Label Elements

Classification: Combustible Dust HPR Category 1(a)

Signal Word: Warning

Hazard Statement: May form combustible dust concentrations in air.

Precautionary Statements: Keep away from all ignition sources including heat, sparks and flame. No smoking. Prevent dust accumulations to minimize explosion hazard.

GHS Classification: Not a hazardous substance according to Regulation (EC) 1272/2008 (CLP), its various amendments and adaptations and Directive 67/548/EEC.



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PEL*
Polypropylene	9003-07-0	15 mg/m ³ , total dust 5 mg/m ³ , respirable fraction

*Table Z-1 8-hr Time Weighted Avg

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

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)

APPEARANCE/ODOR:

White odorless fibers.

SHORT TERM EXPOSURE

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

EYES: Slight to moderate mechanical irritant. Fibers are generally inert and exhibit no acute toxicity to the eye, but physically they may cause irritation.

SKIN: Persons with pre-existing skin disorders may experience slight mechanical 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: **NTP RoC-** Not listed. **IARC MONOGRAPHS** – Group 3: The agent is not classifiable as to its carcinogenicity to humans.

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, move to fresh air.

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

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT: >500°F, 260°C

EXTINGUISHING MEDIA: Use Class A foam, dry chemical, steam or water spray. A fog is recommended if water is used. **DO NOT USE** a solid water stream as it may scatter material and spread fire. **DO NOT USE** high-pressure media which could cause formation of a potentially explosive dust-air mixture.



DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, organic oxidation products, and acrid smoke.

LOWER FLAME LIMIT: NA

HIGHER FLAME LIMIT: NA

COMBUSTIBLE DUST HAZARD: Like other synthetic organic materials (plastics, resins), combustible dust can be produced by processes that reduce these fibers to a finely divided state. Precautions should include good housekeeping to avoid accumulation and dispersion of fine particles. If fine particles are produced, protection from ignition sources and adherence to the NFPA's Standard 654 on Combustible Dust is required.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Large fires may be difficult to extinguish; supplies should be cut off, adjacent structures cooled with water and fire allowed to burn out. Small fires may be controlled with extinguishing media listed above.

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 and reused by sweeping or vacuuming, dispose of in accordance with applicable regulations. Minimize dust generation and accumulation. Avoid spillage into drains, surface, and ground water.

RCRA STATUS: Not regulated. Product as sold would be a nonhazardous, solid industrial waste.

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 CONTROLS/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 to prevent direct eye contact.

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

PROTECTIVE GLOVES: Wear protective gloves if irritating to skin following repeated contact.

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: 10 mg/m³ as Total Dust.

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

APPEARANCE/ODOR:	White to coppery/tan/Odorless fibers
ODOR THRESHOLD:	ND
pH:	NA
MELTING POINT:	320-338°F
FREEZING POINT:	NA
BOILING POINT:	NA
FLASHPOINT:	>500°F, 260°C
EVAPORATION RATE:	NA
FLAMMABILITY (SOLID, GAS):	NA
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	NA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR = 1):	NA
RELATIVE DENSITY (Water=1)	0.90-0.92
SPECIFIC GRAVITY	0.91 g/cc
SOLUBILITY IN WATER:	Negligible
PARTITION COEFFICIENT:	ND
AUTO-IGNITION TEMPERATURE:	ND
DECOMPOSITION TEMPERATURE:	ND
VISCOSITY, SUS@100°F:	NA

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
HAZARDOUS POLYMERIZATION:	Will Not Occur.
CONDITIONS TO AVOID:	Polypropylene can react with chlorine, fuming nitric acid and other strong oxidizing agents.
INCOMPATIBLE MATERIALS:	See Conditions to Avoid (above).



SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Dust may irritate the respiratory tract, skin and eyes.

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.

RESPIRATORY OR SKIN SENSITIZATION: None expected.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY:

IARC Monographs. Overall Evaluation of Carcinogenicity Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens Not listed.

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.

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.

UN/NA NUMBER:	NOT REGULATED
PROPER SHIPPING NAME:	N/A
HAZARD CLASS AND LABEL:	N/A
HARMONIZED CODE/TARIFF CODE	5503-40-0000
PACKAGING SIZE:	15 pounds (6.8 kilograms) per 6-gallon (22.7-liter) waterproof screw top pail
REPORTABLE QUANTITY:	None



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:	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.

SECTION 16 – OTHER INFORMATION

SDS Revision Date: April 26, 2018

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:

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