



Safety Data Sheet
ENVIRO-DRIL®

SECTION 1 – IDENTIFICATION

PRODUCT NAME: ENVIRO-Dril®
EFFECTIVE DATE: August 28, 2017
CHEMICAL FAMILY: Drilling Fluid Additive
FORMULA: Proprietary Blend
MANUFACTURER: 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: Not classified as a hazardous substance according to the Globally Harmonized System of Classification & Labelling.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION	CAS	PEL
Fatty acids, C16-18, esters with ethylene glycol	91031-31-1	NE

There is a general occupational exposure limit (OEL) for oil mists at the workplace of 5 mg/m³ based on the recommendation of the American Congress of Governmental Hygienists (ACGIH).

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.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT - In case of eye contact, flush immediately with water for a minimum of 15-20 minutes; occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Seek medical attention if irritation persists.

SKIN CONTACT –Wash contaminated skin thoroughly with soap and water, and remove contaminated clothing and shoes. Get medical attention if symptoms occur. Clean clothing and shoes thoroughly before reuse.



Safety Data Sheet ENVIRO-DRIL®

INHALATION - If respiratory irritation develops or if breathing becomes difficult, remove to fresh air. Get medical attention for adverse respiratory health effects.

INGESTION - If swallowed, do NOT induce vomiting. Wash mouth out with water, and seek immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT: >250°F

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, or water spray. When mixed with water will create a probable slip hazard.

DECOMPOSITION PRODUCTS: NE

LOWER FLAME LIMIT: ND

HIGHER FLAME LIMIT: ND

UNUSUAL FIRE AND EXPLOSION HAZARDS: Cool containers with water spray. Keep unnecessary people away.

FIRE FIGHTING EQUIPMENT: Fire Fighters 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: In case of spill, keep unnecessary personnel away from area of spill. Cleanup personnel should wear suitable personal protective equipment and take precautions against slipping on product. If product cannot be collected by liquids vacuum and recycled, absorb with inert non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, vermiculite) and dispose of in accordance with applicable regulations. Product as sold is a nonhazardous industrial waste. Avoid spillage into all drains, soil surfaces, and ground water. Spills causing environmental pollution must be reported to the relevant authorities. Discharges or spills into or leading to surface waters which cause a sheen must be reported to the National Response Center, (800) 424-8802.

RCRA STATUS: As sold, product is not a Characteristic or Listed RCRA hazardous waste.

SECTION 7 – HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practices. These practices include adequate ventilation, avoiding unnecessary exposure, using appropriate personal protective equipment when necessary, and prompt removal of material from eyes, skin and clothing. Good housekeeping is essential in reducing slipping hazards; avoid walking through spilled material. Do not reuse container.

Store in tightly closed original containers protected from sunlight in dry, cool, and well-ventilated area. Provide general ventilation as needed 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), job activities, and other substances in the work place when designing engineering controls and selecting protective equipment. There is an occupational exposure limit (OEL) for oil mists at the workplace of 5 mg/m³ based on the recommendation of the American Congress of Governmental Hygienists (ACGIH) that should be followed.

EYE PROTECTION: Chemical goggles are recommended. Goggles, or at a minimum face shields in combination with safety glasses should be worn during transfer operations or when there is a likelihood of misting, splashing or spraying of this material.

RESPIRATORY PROTECTION: Not normally needed. Use NIOSH-approved respirator for organic vapors if exposure is unknown or causes discomfort.

PROTECTIVE GLOVES: Wear protective gloves (suggested are PVC, neoprene, nitrile rubber) if irritating to skin. Check gloves frequently during prolonged use for breakthrough.

VENTILATION: General or Local exhaust.

LOCAL EXHAUST: Recommended in circumstances where general ventilation is limited, or where respiratory irritation occurs.

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. 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: Splash goggles, gloves, apron

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:	Brownish Liquid/ Sugary Odor
ODOR THRESHOLD:	ND
pH:	6.7
MELTING POINT:	ND
FREEZING POINT:	ND
BOILING POINT:	ND
FLASHPOINT:	>250°F
EVAPORATION RATE:	NA
FLAMMABILITY (SOLID, GAS):	NA
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	NA



Safety Data Sheet

ENVIRO-DRIL®

VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR = 1):	NA
RELATIVE DENSITY	ND
SPECIFIC GRAVITY	1.0-1.1
SOLUBILITY IN WATER:	Soluble-dispersible; makes colloidal solution
PARTITION COEFFICIENT: N-OCTANOL/WATER	NA
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:	Under normal conditions of storage and use, hazardous polymerizations will not occur.
CONDITIONS TO AVOID:	Avoid moisture and water contact.
INCOMPATIBLE MATERIALS:	Avoid contact with strong oxidizing materials.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	
INGESTION:	Ingestion may cause mild gastrointestinal distress.
INHALATION:	Vapors may cause mild irritation of throat and respiratory system.
SKIN CORROSION/IRRITATION:	May cause mild skin irritation.
SERIOUS EYE DAMAGE/IRRITATION:	May cause eye irritation.
RESPIRATORY OR SKIN SENSITIZATION:	None known.
MUTAGENICITY:	ND; no evidence of mutagenic properties.
CARCINOGENICITY:	ND; no evidence of carcinogenic properties.
REPRODUCTIVE TOXICITY:	ND; no evidence of toxicity to reproduction.

SECTION 12 – ECOLOGICAL INFORMATION

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

PERSISTENCE & DEGRADABILITY:	ND
BIOACCUMULATIVE POTENTIAL:	ND
MOBILITY IN SOIL:	ND

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Follow applicable governing regulations for disposal. Product as sold is not a Listed or Characteristic waste per RCRA.



Safety Data Sheet
ENVIRO-DRIL®

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 PROPER SHIPPING NAME:	DOT NON-REGULATED – Enviro-Dril
TRANSPORT HAZARD CLASS AND LABEL:	NON-REGULATED
UN/NA NUMBER:	N/A
HARMONIZED CODE/TARIFF CODE	3824.90.4140
PACKAGING SIZE:	275-gallon disposable tote tanks
REPORTABLE QUANTITY:	This material does not contain any chemicals with CERCLA Reportable Quantities.

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:	NA
SARA SECTION 313:	No
EPA HAZARD WASTE#:	None
CLEAN AIR:	N/A
CLEAN WATER:	N/A
DEA Chemical Trafficking Act:	N/A
TSCA STATUS:	All ingredients in this product are listed on the U.S.TSCA Inventory.
DSL STATUS:	All components are on the DSL.

SECTION 16 – OTHER INFORMATION

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

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



Safety Data Sheet

ENVIRO-DRIL[®]

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.

This is the LAST PAGE of this SDS