



Safety Data Sheet

MULSPERSE®

SECTION 1 – IDENTIFICATION

PRODUCT NAME: MULSPERSE®
EFFECTIVE DATE: May 15, 2018
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

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION: MILD IRRITANT, CATEGORY 2B

LABELLING:

Symbol – No Symbol

Signal Word - Warning

Hazard Statement – May Cause Eye and Skin Irritation

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

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
Propylene Glycol	40-60	57-55-6	ND

AIHA WEEL: 8-hr Time-weighted Average (TWA) 10 mg/m³

This product is not considered Hazardous per 29cfr 1910.1200.

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:

Clear Amber Liquid/Mild Odor

SHORT TERM EXPOSURE

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



Safety Data Sheet

MULSPERSE®

EYES: Slight to moderate irritant.

SKIN: Persons with pre-existing skin disorders may experience slight 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 – 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: >300°F (>149°C)

EXTINGUISHING MEDIA: Water fog or spray, foam, dry chemical or carbon dioxide.

DECOMPOSITION PRODUCTS: Smoke and Carbon Oxides.

LOWER FLAME LIMIT: ND

HIGHER FLAME LIMIT: ND

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 liquids vacuum and recycled, absorb with inert material and dispose of in accordance with applicable regulations. Product as sold is a nonhazardous industrial waste. Avoid spillage into drains, surface, and ground water.

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 avoiding unnecessary exposure and prompt removal of material from eyes, skin and clothing. Good housekeeping is essential in reducing possible slipping hazards.



Safety Data Sheet

MULSPERSE®

HANDLING AND STORAGE: Store away from strong acids and bases, oxidizers and chemicals reactive with hydroxyl compounds. 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: Safety glasses with side shields are recommended as minimum protection. Chemical goggles or faceshield combined 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 exceeds any permissible limits.

PROTECTIVE GLOVES: Wear protective gloves (suggested are neoprene, nitrile rubber) if irritating to skin.

VENTILATION: General or Local exhaust.

LOCAL EXHAUST: Recommended in circumstances where general ventilation is limited, personal exposure is above recommended limits, 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 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: None established for this Product.

AIHA WORKPLACE ENVIRONMENTAL EXPOSURE LEVEL (WEEL): 8-hr Time-weighted Average (TWA) 10 mg/m³.

American Industrial Hygiene Association; Emergency Response Planning Guidelines & Workplace Environmental Exposure Levels.

PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTION: C: Safety Glasses, Gloves, Protective 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.



Safety Data Sheet

MULSPERSE®

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR:	Clear Amber Liquid/Mild Odor
ODOR THRESHOLD:	ND
pH:	9.5 – 10.5
MELTING POINT:	ND
FREEZING POINT:	<32°F
BOILING POINT:	>250F
FLASHPOINT:	>300°F (>149°C)
EVAPORATION RATE:	NA
FLAMMABILITY (SOLID, GAS):	NA
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	ND
VAPOR PRESSURE:	760 mm
VAPOR DENSITY (AIR = 1):	>1
DENSITY	7.5 lbs/gallon (900 kg/m ³)
SPECIFIC GRAVITY	~1.02
SOLUBILITY IN WATER:	Soluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	
AUTO-IGNITION TEMPERATURE:	ND
DECOMPOSITION TEMPERATURE:	ND
VISCOSITY, SUS@100°F:	ND

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	This material is chemically stable.
CHEMICAL 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.
INCOMPATIBLE MATERIALS:	Store away from strong acids and bases, oxidizers and chemicals reactive with hydroxyl compounds.

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.

RESPIRATORY OR SKIN SENSITIZATION: None expected.

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.



Safety Data Sheet

MULSPERSE®

STOT*- REPEATED EXPOSURE: There is no evidence associating repeated exposure to the substance with a consistent and identifiable toxic effect.

ASPIRATION HAZARD: ND

*Specific Target Organ Toxicity

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 not a Listed or Characteristic waste 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 PROPER SHIPPING NAME:	DOT NON-REGULATED – MULSPERSE®
TRANSPORT HAZARD CLASS AND LABEL:	NON-REGULATED
UN/NA NUMBER:	N/A
HARMONIZED CODE/TARIFF CODE	3402.13.0000
PACKAGING SIZE:	55-Gallon drums and Rig storage bulk containers, 275-Gallon (6.5 bbl)
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:	None
EPA HAZARD WASTE#:	None
CLEAN AIR:	N/A
CLEAN WATER:	N/A
SARA SECTION 313:	No
NFPA HEALTH:	1



Safety Data Sheet

MULSPERSE®

NFPA FLAMMABILITY:	1
NFPA REACTIVITY:	0
DEA Chemical Trafficking Act:	N/A
TSCA STATUS:	All ingredients in this product are either listed on the U.S.TSCA Inventory, or are not regulated under TSCA.
DSL STATUS:	All components are either on the DSL, or are exempt from DSL listing requirements.

SECTION 16 – OTHER INFORMATION

FOOT NOTES: NA NOT APPLICABLE
> = GREATER THAN OR EQUAL TO

ND – NO DATA AVAILABLE
< = LESS THAN OR EQUAL TO

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 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