



Safety Data Sheet HydroGold™

SECTION 1 - IDENTIFICATION

PRODUCT NAME: HydroGold™
EFFECTIVE DATE: January 12, 2016
CHEMICAL FAMILY: Drilling Fluid/Coil Tubing Fluid Lubricant
MANUFACTURER: SUN DRILLING PRODUCTS CORP.
503 Main Street
Belle Chasse, LA 70037
504-393-2778

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

Hazard Classification: Product is not classified as hazardous.

Health Hazards: Excessive inhalation of product as a mist may result in respiratory irritation.

Label Elements:

Hazard Symbol: None required.
Signal Word: None required.
Hazard Statement: Excessive inhalation of product as a mist may result in respiratory irritation.

Precautionary Statement:

Prevention: IF INHALED: Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area.
Response: IF RESPIRATORY IRRITATION OCCURS: Remove to fresh air. Seek medical attention if irritation persists.

Other hazards which do not result in GHS classification:

Although product has a flashpoint of 600°F to 625°F, spontaneous combustion may result from combustible materials soaked in product.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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, by weight or volume. Non-hazardous components may be listed at



Safety Data Sheet HydroGold™

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.

Chemical name	CAS number	Percent by Weight	PEL
Vegetable Oil	8001-22-7	99-100	TWA 15 mg/m ³ (mist, total) TWA 5 mg/m ³ (mist, respirable)

SECTION 4 - FIRST AID MEASURES

Ingestion:	Not anticipated to be an ingestion hazard, although excessive ingestion may cause gastrointestinal disturbance. Seek medical attention if symptoms occur.
Inhalation:	Not anticipated to be an inhalation hazard under normal use. Excessive inhalation of mists may cause irritation - remove exposed person to fresh air if adverse effects are observed.
Skin Contact:	Not anticipated to be a skin irritant under normal use. If skin irritation or rash occurs, seek medical attention.
Eye contact:	Not anticipated to be an eye irritant under normal use. If irritation occurs, flush thoroughly with water for a minimum of 15 minutes.

SECTION 5 - FIRE-FIGHTING MEASURES

General Fire Hazards:	Material may present a fire hazard when dispersed or spread by water.
Flashpoint	600°F – 625°F
Extinguishing media	Use Dry Chemical Powder, Carbon Dioxide, Foam, Sand, or Fog
Decomposition Products	Fire may generate smoke consisting of acrolein, carbon monoxide, and carbon dioxide.
Lower Flame Limit:	ND
Upper Flame Limit:	ND
Unusual Fire & Explosion Hazards:	There is a risk of ignition from saturated rags or other saturated combustible materials; these materials should be kept in metal cans with tight-fitting lids (preferably steel oily waste safety cans).
Fire Fighting Equipment:	As in any fire, Fire Fighters and others exposed to products of combustion should wear self-contained breathing apparatus.



Safety Data Sheet HydroGold™

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CHEMICAL EMERGENCY NUMBER (24 HOURS): CHEMTREC
USA/Canada Call 1-800 424-9300 CHEMTREC
Outside USA/Canada Call 1-703-527-3887

Spill: Stop the flow of material, if this is without risk. Dike area around spill for recovery and disposal. Vacuum free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Prevent entry into waterways, sewer, basements or confined areas. Avoid high pressure spraying when cleaning, or other method which might generate respirable aerosols.

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

SECTION 7 - HANDLING & 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 hazard.

Store away from open flames, hot surfaces, or other potential ignition sources. 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: Use goggles or safety glasses with faceshield if splashing is possible.

Respiratory Protection: Not normally needed. Use NIOSH-approved respirator if exposure is unknown or exceeds any permissible limits.

Protective Gloves: Wear impervious gloves.

Ventilation: General or Local exhaust.

Local Exhaust: Recommended in enclosed places or where material is aerosolized.

Protective Equipment: Hmis Personal Protection: B: Safety Glasses, Oil-resistant gloves, and NIOSH/MSHA-approved respirator, if usage produces aerosols.



Safety Data Sheet HydroGold™

Appropriate personal protective equipment should be selected based on the activity and possible exposure. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or only under certain circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor:	Light yellow; slight vegetable oil odor
Odor Threshold:	ND
Ph:	NA
Melting Point:	ND
Freezing Point:	-4°F
Boiling Point:	ND
Flashpoint:	600°F – 625°F
Evaporation Rate:	ND
Flammability (Solid, Gas):	ND
Upper/Lower Flammability Or Explosive Limits:	ND
Vapor Pressure:	ND
Vapor Density (Air = 1):	ND
Relative Density	ND
Specific Gravity	0.9
Solubility In Water:	Insoluble
Partition Coefficient:	
N-Octanol/Water	ND
Auto-Ignition Temperature:	Not Auto-Flammable
Decomposition Temperature:	ND
Viscosity, Sus@100°F: 81.2	ND

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	No hazardous reactions expected under normal processing conditions.
CHEMICAL STABILITY:	Stable under normal ambient and anticipated temperature and pressure.
HAZARDOUS POLYMERIZATION:	Will Not Occur.
CONDITIONS TO AVOID:	Keep away from open flames, hot surfaces, and sources of ignition.
INCOMPATIBLE MATERIALS:	None known.

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: Based on available data, no evidence of serious eye damage/irritation.



Safety Data Sheet HydroGold™

RESPIRATORY OR SKIN SENSITIZATION: Based on available data, not expected to be a respiratory or skin sensitizer.

GERM CELL MUTAGENICITY: Based on available data, the classification criteria are not met.

CARCINOGENICITY: Based on available data, no evidence of carcinogenicity.

REPRODUCTIVE TOXICITY: Based on available data, no evidence of reproductive toxicity.

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: Based on available data, no known aspiration hazard.

*Specific Target Organ Toxicity

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not classified for aquatic toxicity.
Persistence/Degradability: Readily biodegradable.
Mobility: This product is insoluble and floats on water.
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 – HYDROGOLD™
TRANSPORT HAZARD CLASS AND LABEL:	Non-Regulated
UN/NA NUMBER:	N/A
DOMESTIC TRANSPORT REGULATIONS (CANADA)	TDG Not regulated
DOMESTIC TRANSPORT REGULATIONS (MEXICO)	Not regulated
INTERNATIONAL TRANSPORT REGULATIONS	ICAO Not regulated IATA Not regulated IMDG/IMO Not regulated
PACKAGING SIZE:	5-Gallon Pails, 55-Gallon Drums, or 275-Gallon Tanks
REPORTABLE QUANTITY:	No reportable quantity; however, release of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems. Discharges or spills into or leading to



**Safety Data Sheet
HydroGold™**

surface waters that cause a sheen must be reported to the National Response Center.

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:	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.

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
Soybean oil	Yes	Yes	No	Yes 232-274-4	No	Yes	No	Yes	Yes	Yes KE-31718	Yes

FEDERAL REGULATIONS

Ozone Depleting Substances:
No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

CERCLA/SARA 103-302

Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject



Safety Data Sheet HydroGold™

to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63)

This product is not known to contain any HAPS.

Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source. Proposition 65 exempts naturally occurring listed chemicals from an obligation to label.

Canada

WHMIS Product Classification

Exempt: Food Product per Hazardous Products Act Part II Controlled Products Section 12.

WHMIS Ingredient Disclosure List IDL

No known component is listed on the WHMIS ingredients disclosure list.

(NPRI) Canadian National Pollutant Release Inventory

No known component is listed on NPRI.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Mexico

Mexico - Grade

Slight risk, Grade 1

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 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.**



Safety Data Sheet
HydroGold™

This is the LAST PAGE of this SDS