



Safety Data Sheet LIQUI-BEADS

SECTION 1 – IDENTIFICATION

PRODUCT NAME: Liqui-Beads
EFFECTIVE DATE: August 29, 2019
CHEMICAL FAMILY: Drilling Fluid Additive
FORMULA: Lubricating Agent
MANUFACTURER: SUN DRILLING PRODUCTS CORP.
d/b/a SUN SPECIALTY PRODUCTS
503 Main Street
Belle Chasse, LA 70037

CANADIAN IMPORTER : SUN DRILLING PRODUCTS CORP.
d/b/a SUN SPECIALTY PRODUCTS
#102 6660 Taylor Drive
Red Deer, AB TYP IY3
(403)341-5046 (for 24-hr Emergency call Chemtrec)

CHEMICAL EMERGENCY – Spill, Leak, Fire, Accident
USA/Canada Call 1-800 424-9300 CHEMTREC

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION: ACUTE INHALATION TOXICANT: CATEGORY 4. ASPIRATION TOXICANT: CATEGORY 1. EYE IRRITATION: CATEGORY 2A. SKIN IRRITATION CATEGORY 2.

LABELLING:

Symbol –



Signal Word – DANGER

Hazard Statements – H304: May be fatal if swallowed and enters airways. H332: Harmful if inhaled. H319: Causes serious eye irritation. H315: Causes skin irritation.

Precautionary Statements – P261: Avoid breathing mist / vapors. P264: Wash face, hands, and any exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/eye protection/face protection. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P331: Do NOT induce vomiting. P405: Store locked up. P501: Dispose of contents and container in accordance with local regulations.



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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
1-Dodecene, dimer	>85	62132-67-6	NE
Copolymer beads	1-10	9052-95-3	NE
Distillates (petroleum), hydrotreated heavy naphthenic	1-3	64742-52-5	5 mg/m ³ (mist)
Fatty acids, tall oil	.5-1.5	61790-12-3	NE
Acyclic amide	1-2	NE	NE

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 Yellow to Amber Liquid/Mild Oily Odor

SHORT TERM EXPOSURE

GENERAL: No significant adverse health effects are expected to develop with normal use. Product can be a slipping hazard, good housekeeping is required.

EYES: Slight to moderate irritant.

SKIN: Persons with pre-existing skin disorders may experience slight irritation.

INHALATION: Product is moderately toxic through inhalation - Acute toxicity (Rat) 4 hours LC50 >5 mg/l, as aerosol. Persons with pre-existing respiratory disorders may experience slight irritation. Respiratory protection for oil mist is recommended during operations where mists or vapors are generated (e.g., heating). Not expected to be a respiratory sensitizer.

INGESTION: Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

ASPIRATION INTO LUNGS: Small amounts of liquid entering the lungs during ingestion or vomiting can cause chemical pneumonitis or pulmonary edema.

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. If product has been injected or otherwise entered into or under the skin, seek immediate medical attention even in the absence of symptoms.

INHALATION - If affected by inhalation, remove to fresh air. Seek medical attention.

INGESTION - If swallowed, do not induce vomiting as this may result in aspiration into the lungs; seek immediate medical attention.



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SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Do not use water spray; use alcohol-resistant foam, dry powder or carbon dioxide.

DECOMPOSITION PRODUCTS: Fire may generate Carbon Oxides, Nitrogen Oxides.

LOWER FLAME LIMIT: ND

HIGHER FLAME LIMIT: ND

UNUSUAL FIRE AND EXPLOSION HAZARDS: Excessive ambient temperature may cause pressure rise in sealed containers, with risk of bursting; cool containers with water. Keep unnecessary people away.

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. Do not allow run-off from fire-fighting to enter drains or water courses.

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 would be a nonhazardous industrial waste. Avoid spillage into drains, surface, and ground water. Discharges or spills into or leading to surface waters that 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 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: Product can accumulate static charges which may act as an ignition source. Store away from oxidizers. 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. A particulate air-purifying respirator approved for dust/oil mist is also appropriate.



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PROTECTIVE GLOVES: Wear protective gloves (suggested are PVC, 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.

THRESHOLD LIMIT VALUE: None established for this Product.

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR:	Clear Golden to Amber Liquid/ Oily Odor
ODOR THRESHOLD:	ND
pH:	NA
MELTING POINT:	ND
FREEZING POINT:	<0°F
BOILING POINT:	ND
FLASHPOINT:	>201°F
EVAPORATION RATE:	ND
FLAMMABILITY (SOLID, GAS):	NA
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	NA
VAPOR PRESSURE:	ND
VAPOR DENSITY (AIR = 1):	>1
RELATIVE DENSITY	ND
SPECIFIC GRAVITY	0.84 g/cc
SOLUBILITY IN WATER:	Dispersible
PARTITION COEFFICIENT: N-OCTANOL/WATER	
AUTO-IGNITION TEMPERATURE:	ND
DECOMPOSITION TEMPERATURE:	ND
VISCOSITY, SUS@100°F:	81.2

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: This material is chemically stable.



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CHEMICAL STABILITY: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
HAZARDOUS POLYMERIZATION: Will Not Occur.
CONDITIONS TO AVOID: Excessive heat, ignition sources.
INCOMPATIBLE MATERIALS: Avoid oxidizers or oxidizing materials.

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.

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

ASPIRATION HAZARD: Small amounts of liquid entering the lungs during ingestion or vomiting can cause chemical pneumonitis or pulmonary edema.

*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: NON-REGULATED
TRANSPORT HAZARD CLASS AND LABEL: N/A
UN/NA NUMBER: N/A
HARMONIZED CODE/TARIFF CODE 3902.90.0050
PACKAGING SIZE: 55-Gallon Drums, or 275/550-Gallon Tanks
REPORTABLE QUANTITY: None



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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:	2
NFPA FLAMMABILITY:	1
NFPA REACTIVITY:	0
DEA Chemical Trafficking Act:	N/A
TSCA STATUS:	All ingredients in this product are listed or exempt from listing.
DSL:	Not listed.

SECTION 16 – OTHER INFORMATION

FOOT NOTES: N/A NOT APPLICABLE ND – NO DATA AVAILABLE NE – NONE ESTABLISHED > = GREATER THAN OR EQUAL TO < = LESS THAN OR EQUAL TO

REVISION DATE: August 29, 2019

REVISION STATEMENT: Changes have been made throughout this Safety Data Sheet. Please read the entire document.

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