



MATERIAL SAFETY DATA SHEET



SECTION 1: Product And Company Identification

Product Name: Bio-Based Drill Lubricant

Product ID#: DL-001

Manufactured by: Inventek Colloidal Cleaners, LLC.

General Information: (856) 206-0058

Bio-based Plant / Lubricant

106 Gaither Drive

Technical Assistance: (856) 206-0058

Emergency Contact:

(856) 206-0058

www.inventekcleaners.com

Mount Laurel, NJ 08054

Fax Number:

(856) 206-0094

Section 2: Composition / Information on Ingredients

Component	CAS #	LD50# (oral rat)	LD60#	% Wt.
Coconut Fatty Acid	61788-47-4	NE	NE	Prop.
Coconut Oil	8001-31-8	NE	NE	Prop.
Palm Oil	8002-75-3	NE	NE	Prop.
Corn/Canola Oil	Compound	NE	NE	Prop.
TME (Tallow)	61789-97-7	NE	NE	Prop.
Anti-Oxidant & Rust Inhibitor	Compound	NE	NE	Prop.

Section 3: Hazards Identification

Appearance and Odor: Slightly Viscous Liquid, Amber, Faint Odor

No Known Hazards. As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

* All natural plant ingredients which may include cactus, dandelion and sunflower extracts.

Potential Health Effects:

Eyes: No evidence of Adverse effect
 Inhalation: No evidence of Adverse effect
 Ingestion: No evidence of Adverse effect
 Medical Conditions Aggravated by Exposure:

See section 11 for toxicology and carcinogenicity on Product Ingredients.
 Skin and Skin Absorption: No evidence of Adverse effect
 Potential Health Effects: No evidence of Adverse effect
 Chronic Effects: No evidence of Adverse effect
 None Known

Section 4: First Aid Measures

EYES: No Evidence of Adverse Effects
 INHALATION: No Evidence of Adverse Effects
 INGESTION: No Evidence of Adverse Effects
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

SKIN & SKIN ABSORPTION: No Evidence of Adverse Effects
 POTENTIAL HEALTH EFFECTS: No Evidence of Adverse Effects
 CHRONIC EFFECTS: No Evidence of Adverse Effects
 NOTE TO PHYSICIANS: No Specific Instructions
 See Section 11 for Toxicology and Carcinogenicity information on product ingredients

Section 5: Fire Fighting Measures

Flash Point: >350 F
 UEL: NA
 LEL: NA
 Suitable Extinguishing Media:

Flammable Properties: As defined by OSHA, this product is non-flammable
 Autoignition Temperature: NE
 Explosion Sensitivity to Impact: None
 Protection to Firefighters:
 Explosion Sensitivity to Static Discharge.: None
 Products of Combustion: None
 No special Precautions needed.
 This Material will not burn. Use extinguishing media appropriate for surrounding fire.

Section 6: Accidental Release Measures

Personal Precautions:
 Methods for Containment and Cleanup:

Evacuate the Area as the floor may be slippery. Use care to prevent Slips and Falls.
 Rinse area thoroughly with water. This product is safe to wash into waste systems.
 Environmental Precautions: None required

Section 7: Handling and Storage

Handling procedures:
 Storage Procedures:

No Special procedures needed.
 Store in a cool, well ventilated area. Avoid low temperatures.

Section 8: Exposure Controls / Personal Protection

Engineering Controls: None Required
 Respiratory Protection: None Required
 Eye / Face Protection: None Required
 Skin Protection: None Required
 Gloves: None Required
 Other Safety Equipment: None Required

Exposure Guidelines:

Component	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	Source Unit
Corn/Canola Oil	NE	NE	NE	NE	NE	NA NA
Coconut Fatty Acid	NE	NE	NE	NE	NE	NA NA
Coconut Oil	NE	NE	NE	NE	NE	NA NA
Palm Oil	NE	NE	NE	NE	NE	NA NA
TME	NE	NE	NE	NE	NE	NA NA
Anti-Oxidant & Rust Inhibitor	NE	NE	NE	NE	NE	NA NA

NE=Not Established C= Ceiling S=Skin V= Vacated

Section 9: Physical and Chemical Properties

Specific gravity: 0.911
 Initial Boiling Point: 214° F
 Solubility in Water: Complete
 Volatile Organic Compounds:

Physical State: Liquid
 Color: Amber
 Odor: Faint Odor
 pH: 9.2
 Pour Point: (-28°) F
 Viscosity Index: >300
 Bio-Degradability %: >90
 Suggested Operating Range: Zero to 150 F
 VOC levels of DDC by weight of the compound do not exceed 5% in accordance with 40 CFR parts 9 and 59
 Estimated tested amount per product = <1mm/Hg

Section 10: Stability and Reactivity

Stability: Stable
 Incompatible Materials:

Possibility of Hazardous Reaction: None Known
 Conditions to avoid: None
 Hazardous decomposition Products: None

Section 11: Toxicological Information

IARC Monographs: None
 Skin Sensitization: None
 Carcinogenicity:

Irritancy of Product: None
 ACGIH (A1, A2 or A3): None
 Acute Exposure Effects: None
 OSHA Regulated: No
 Embroyotoxicity: None
 Mutagenicity: None
 Chronic Effects: None
 Teratogenicity: None
 Name of Synergistic Product or Effect: None
 This Product does not contain any known or suspected human carcinogens

Section 12: Ecological Information

Ecotoxicity / Aquatic Toxicity:

None
 Persistence / Degradability: Readily Biodegradable

Section 13: Disposal Considerations

Chemicals contained are not listed as hazardous waste.

Safe to wash into waste systems.
 Always dispose as per Federal, State or local regulations.

Section 14: Transport Information

Proper Shipping Description: US DOT: None

PIN: None
 TDG: None
 Special Provisions: None

Section 15: Regulatory Information-U.S. Federal

Comprehensive Environmental Response, Compensation and Liability Act (CIRCLA) Reportable Quantities (RQ's) for the following Ingredients: None
 Spills of any ingredient at or above the RQ level require an immediate notification of the National Response Center (800)424-8802 and Local Agencies
 Superfund Amendments Reauthorization ACT (SARA) Title III Section 302 Extremely Hazardous Substances (EHS): None
 Other Regulatory Info.: None
 This product contains the following substances subject to SARA reporting (sections 311, 312 and 313) and 40 CFR part 372: None
 State regulations: This product contains NO harmful ingredients under California Prop 65 Safe drinking water and Toxic Enforcement Act: None

Toxic Substance Control Act: All ingredients are exempt.
 Clean Air Act: None

Section 16: Other Information

(HMIS) Health: 0 Flammability: 0 Reactivity: None PPE: None

Prop.: Proprietary
 CAS: Chemical Abstract Service
 OSHA: Occupational Safety & Health Administration
 PPE: Personal protective Equipment
 PMCC: Pensky-Martins Closed Cup
 NIOSH: National Institute of Occupational Safety & Health
 ACGIH: American Conference of Government Industrial Hygienists

Keys to abbreviations:
 NA: Not Applicable
 ND: Not Determined
 g/L: Grams per liter
 PEL: Permissible Exposure Limit

TCC: Tags Closed Cup
 ppm: Parts per Million
 TLV: Threshold limit Value
 TWA: Time Weighted Average
 lbs. / gal: Pounds per Gallon
 STEL: Short Term Exposure Limit

NE: Not Established
 mg: Milligram
 ml: Milliliter
 kg: Kilogram
 gr: Gram
 k: 1000

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