



# Safety Data Sheet

## Section 1: Product and Company Information

**Product Name:**

Drillfast®

**Generic Name**

Fatty Acid Triglyceride Blend

**General Use:**

Drilling &amp; completion fluid lubricant

**Contact information:**

Setac Corporation

501 Harwell Street

Lafayette LA 70503

337-278-2325 Phone

setac@bellsouth.net email

<http://www.setac.com> Website

## Section 2. HAZARDS IDENTIFICATION

**Description**

Appearance: Light yellow

Physical State: Liquid

Odor: Slight vegetable oil

**Handling**

If smoking occurs from oil usage, reduce or remove from heat. Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper and clothing. Place soaked materials in a sealed, metal container to prevent this. If smoking occurs from oil usage, reduce or remove from heat.

This product is NOT classified as hazardous according to CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (OSHA / GHS); SOR/88-66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico). However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS.

**OSHA**

No known OSHA hazards.

**Hazards**

Not a dangerous substance according to GHS.

**HMIS**

Health: 1

**Classification**

Flammability: 1

Physical hazard: 0

**NFPA Rating**

Health: 0

Fire: 1

Reactivity: 0

**Potential**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

**Health Effects**

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May cause vomiting, gastrointestinal irritation and diarrhea

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Date Revised: 3.29.17



**COMMENTS:** The proprietary ingredients of this product are not considered hazardous per 29 CFR 1910.1200. As such, the specific chemical formulation of this material is being withheld as a trade secret and will be provided to a health professional when requested and/or to a physician or nurse in a medical emergency through utilization of the telephone number(s) listed in Section 1 of this SDS.

#### **Section 4. FIRST AID MEASURES**

**EYES:** Immediately flush with large amounts of water, holding eyelids open, for at least 20 minutes. Repeat if necessary. Remove contact lenses, if present and easy to do. Seek medical assistance if irritation persists.

**SKIN:** Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Slowly give 1-2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

**INHALATION:** Move victim to fresh air. Call 911, emergency medical service, or Emergency Phone Numbers(s) provided in Section 1 of this SDS. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**ACUTE TOXICITY:** May cause irritation with eye contact.

**CHRONIC EFFECTS:** Excessive inhalation or eye exposure over long periods may cause harmful irritation.

**NOTES TO PHYSICIAN:** Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First Aid Responders are advised to wear personal protective equipment as found in Section 8 of this SDS.

#### **Section 5. FIRE FIGHTING MEASURES**

##### **EXTINGUISHING MEDIA:**

**SUITABLE EXTINGUISHING MEDIA** - Alcohol resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding area.

**FIRE FIGHTING PROCEDURES: PROTECTIVE ACTIONS TO TAKE DURING FIRE FIGHTING** - Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material. Persons involved in fire-fighting response involving this product and its containers/packaging should refer to Section 8 of this SDS for the proper selection of exposure controls and personal protective equipment.

**FIRE FIGHTING EQUIPMENT: DO NOT USE WATER.** Wear self-containing breathing apparatus for firefighting if necessary.

**FIRE EXPLOSION:** Risk of ignition. Rags and other materials containing this product may heat up and spontaneously ignite if exposed to air. Store wiping rags and similar materials in



metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray. Avoid hot oil; if smoking occurs during application reduce or remove from heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides.

## Section 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Protection</b>	Avoid breathing vapors, mist or gas. Recommend exhaust fans over grills and deep frying.
<b>Environmental Precautions</b>	Prevent further leakage or spillage. Do not allow product to reach soil, sewage or any water sources. Dispose per local, state, and federal regulations.
<b>Methods and materials for containment and cleaning up</b>	Keep in suitable, closed containers for disposal. Dispose of rags used in clean up. Remember oil soaked rags or partially cleaned materials may spontaneously combust.

## Section 7. HANDLING AND STORAGE

<b>Conditions for safe storage</b>	Ensure adequate dry, well ventilated storage area between 50 – 120F. Clean up any spillage to avoid accidents immediately.
<b>Combustible conditions</b>	Keep away from open flames, hot surfaces and sources of ignition.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational exposure limit values</b>	Contains no substances with occupational exposure limited values.
<b>PPE:</b>	
<b>Respiratory protection</b>	Respiratory protection not required. For nuisance exposures use type OV/AG or type ABEK respiratory cartridges.
<b>Hand protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Eye protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (USA) and EN 166 (EU). Oil in eye must be flushed with water or special first aid eye wash continuously.
<b>Skin and Body protection</b>	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Deep frying or grill operator must use nonabsorbent apron when dealing with hot oil.
<b>Hygiene measures</b>	Good industrial hygiene practices.

Date Revised: 3.29.17

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Clear liquid
<b>Color</b>	Very light yellow
<b>pH</b>	NA
<b>Specific gravity</b>	@0.914 – 0.917 (H <sub>2</sub> O = 1)
<b>Melt point/freezing point</b>	NA
<b>Smoke point</b>	>430-450F
<b>Flash point</b>	>527F
<b>Ignition temperature</b>	>625F
<b>Auto-ignition</b>	Not auto flammable
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapor pressure</b>	<.1mm Hg at 300C
<b>Boiling point</b>	No data available
<b>Water solubility</b>	Insoluble
<b>Partition coefficient</b>	No data available
<b>Relative vapor Density</b>	No data available
<b>Odor/Flavor</b>	Slight vegetable oil odor
<b>Odor threshold</b>	No data available
<b>Evaporation rate</b>	<1 (butyl acetate = 1.0)

## Section 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under recommended storage conditions (<120F). Baking temperature >440F, oil may smoke. Reduce
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	or remove from heat.
<b>Possibility of hazardous reaction</b>	None known.
<b>Conditions to avoid</b>	None known.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Unknown.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

<b>Acute toxicity</b>	Oral: LD50 no data available. Inhalation: LC50 no data available. Dermal: Mild
<b>Skin corrosion</b>	Mild-Human
<b>Serious eye damage</b>	Mild-Rabbit
<b>Respiratory or skin sensitization</b>	No data available.
<b>Carcinogenicity IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by IARC.
<b>Carcinogenicity ACGHI</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by ACGIH.
<b>Carcinogenicity NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by NTP.
<b>Carcinogenicity OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by OSHA.
<b>Reproductive toxicity</b>	No data available.
<b>Teratogenicity</b>	No data available.
<b>Specific target organ toxicity</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Potential health effects</b>	Inhalation: May be harmful if inhaled. Ingestion: The material is a non-hazardous product Skin: May be harmful if absorbed through skin. Eyes: May cause eye irritation.
<b>Signs and symptoms of exposure</b>	No data available.



**Synergistic effects** No data available.  
**Additional information** No data available.

## Section 12. ECOLOGICAL INFORMATION

**Toxicity** Contains no substances known to be hazardous to the environment.  
Contains no substances known to be not degradable in waste treatment facilities.

**Persistence and degradability** Readily biodegradable.

**Bio accumulative potential** Minimum biodegradability is 60% BSB30/CSB; Resp. 70% DOC

**Mobility** Oil is insoluble in water and will float in water.

**PBT and vPVB assessment** No data available.

**Other adverse effects** No data available.

**Toxicity to fish** LCO >100 mg/L

**Bacteria toxicity** ECO > 100 mg/L

**Other adverse effects** Do not flush into surface water or sanitary sewer system

## 13. DISPOSAL CONSIDERATIONS

**Recycle** Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

**Waste disposal methods** Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, metal containers.

## 14. TRANSPORT INFORMATION

**DOT (US), Canada (TDG), Mexico (MEX) IMDG** Not regulated; Not dangerous goods.

**ICAO** Not regulated; Not dangerous goods.

**IATA** Not regulated; Not dangerous goods.



## 15. REGULATORY INFORMATION

International Inventories: The components of the product are reported in the following inventories:

TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS	ISHL	CHINA	PICCS	KECL	NZLoC
Y	Y	N	N	N	N	N		Y	N	Y	Y

Legend:

- TSCA Toxic Substances Control Act Section 8(b) Inventory
- DSL Domestic Substance List (Canada)
- NDSL Non-Domestic Substance List (Canada)
- EINECS European Inventory of existing commercial chemical substances
- ELINCS European List of Notified Chemical Substances
- AICS Australian Inventory of Chemical Substances
- ENCS Existing and new Chemical Substances (Japan)
- ISHL Industrial Health and Safety Law (Japan)
- CHINA Chinese Inventory of Existing Chemical Substances (China)
- PICCS Inventory of Chemicals and Chemical Substances ((Philippines)
- KECL Korean Existing and Evaluated Chemical Substances (Korea)
- NZLoC New Zealand Inventory of Chemicals (New Zealand)
- USA **OSHA Hazards**  
No known OSHA hazards  
**SARA 302 Components**  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
**SARA 313 Components**  
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.  
**SARA 311/312 Hazards**  
No SARA Hazards  
**Massachusetts Right to Know Components**  
No components are subject to the

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Massachusetts Right to Know Act.  
**Clean Air Act, Section 112 Hazardous Air pollutants (HAPs) (see 40 CFR 61)**

**..Product is not known to contain HAPS.**

**California Prop. 65 Components**

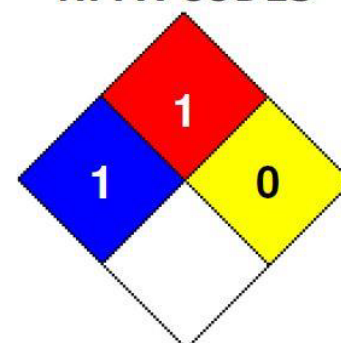
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other Reproductive harm.

## 16. OTHER INFORMATION

### HMIS RATING

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>E</b>

### NFPA CODES



**HMIS RATINGS NOTES:** Please refer to Section 8 of this SDS for recommended personal protective equipment.

**DATA SOURCES:**

**REFERENCES**

- ACGIH. 2014 Guide to Occupational Exposure Values. Cincinnati, OH. Signature Publications, 2014.
- Forsberg, K. et al. Quick Selection Guide to Chemical Protective Clothing. Sixth Edition. Hoboken, NJ. John Wiley & Sons, 2014.
- Lide, D.R. CRC Handbook of Chemistry and Physics. 88th Edition. Boca Raton, FL. CRC Press, 2008.
- UNECE. Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Third Revised Edition. New York and Geneva. United Nations, 2009.
- US DOT; Pipeline and Hazardous Materials Safety Administration. 2008 Emergency Response Guidebook. Neenah, WI. J.J. Keller & Associates, Inc. 2008.
- US EPA. Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Section 112(r) of the Clean Air Act. [Available] Online: <http://www.epa.gov/ceppo/pubs/title3.pdf>. Retrieved 02/02/2011.

**ADDITIONAL SDS INFORMATION:**

Date Revised: 3.29.17





## KEY / LEGEND

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - Agreement on Dangerous Goods by Road ASTM - American Society for Testing and Materials

CAA - Clean Air Act

CAS - Chemical Abstracts Service Registry Number

CDG - Carriage of Dangerous Goods By Road and Rail Manual

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

CFR - Code of Federal Regulations

EINECS - European Inventory of Existing Chemical Substances Registry Number

NAERG - Emergency Response Guidebook

EPCRA - Emergency Planning and Community Right-to-Know Act

GHS - Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

IMO - International Maritime Organization

MSDS - Material Safety Data Sheet

N/E - Not Established

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

PPE - Personal Protective Equipment

RCRA - Resource Conservation and Recovery Act

RID - Regulations Concerning the International Transport of Dangerous

RQ - Reportable Quantities

SARA - Superfund Amendments and Reauthorization Act of 1986

SDS - Safety Data Sheet

TCC - Tag Closed Cup

TDG - Transportation of Dangerous Goods

TLV - Threshold Limit Value

TSCA - Toxic Substance Control Act

UN/NA - United Nations / North American Number

UNECE - United Nations Economic Commission for Europe

US DOT - United States Department of Transportation

US EPA - United States Environmental Protection Agency

Vol. - Volume

WHMIS - Workplace Hazardous Materials Information System

**GENERAL STATEMENTS:** Other information not included anywhere else in this SDS is included in this section if, in fact, such data exists.

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Date Revised: 3.29.17



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