Setac

Safety Data Sheet

Section 1: Product and Company Information

Product Name:
Drillfast®
Generic Name
Fatty Acid Triglyceride Blend
General Use:
Drilling & completion fluid lubricant

Contact information:
Setac Corporation
501 Harwell Street
Lafayette LA 70 503
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 Hazards	No known OSHA hazards. Not a dangerous substance according to GHS.
HMIS Classification	Health: 1 Flammability: 1 Physical hazard: 0
NFPA Rating	Health: 0 Fire: 1 Reactivity: 0
Potential Health Effects	Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. 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

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

Personal Protection	Avoid breathing vapors, mist or gas. Recommend exhaust fans over grills and deep frying.
Environmental Precautions	Prevent further leakage or spillage. Do not allow product to reach soil, sewage or any water sources. Dispose per local, state, and federal regulations.
Methods and materials for containment and cleaning up	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

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

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limit values	Contains no substances with occupational exposure limited values.
PPE:	
Respiratory protection	Respiratory protection not required. For nuisance exposures use type OV/AG or type ABEK respiratory cartridges.
Hand protection	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.
Eye protection	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.
Skin and Body protection	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.

Hygiene measures	Good industrial hygiene practices.

L

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Clear liquid
Color	Very light yellow
pH	NA
Specific gravity	@0.914 – 0.917 (H20 = 1)
Melt point/freezing point	NA
Smoke point	>430-450F
Flash point	>527F
Ignition temperature	>625F
Auto-ignition	Not auto flammable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	<.1mm Hg at 300C
Boiling point	No data available
Water solubility	Insoluble
Partition coefficient	No data available
Relative vapor	No data available
Density	No data available
Odor/Flavor	Slight vegetable oil odor
Odor threshold	No data available
Evaporation rate	<1 (butyl acetate = 1.0)

Section 10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions (<120F).

	Baking temperature >440F, oil may smoke. Reduce or remove from heat.
Possibility of hazardous reaction	None known.
Conditions to avoid	None known.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Unknown.

11. TOXICOLOGICAL INFORMATION

ACUTE

Acute toxicity	Oral: LD50 no data available. Inhalation: LC50 no data available. Dermal: Mild
Skin corrosion	Mild-Human
Serious eye damage	Mild-Rabbit
Respiratory or skin sensitization	No data available.
Carcinogenicity IARC	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.
Carcinogenicity ACGHI	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.
Carcinogenicity NTP	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.
Carcinogenicity OSHA	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.
Reproductive toxicity	No data available.
Teratogenicity	No data available.
Specific target organ toxicity	No data available.
Aspiration hazard	No data available.
Potential health effects	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.
Signs and symptoms of exposure	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)	Not regulated; Not dangerous goods.
IMDG	Not regulated; Not dangerous goods.
ICAO	Not regulated; Not dangerous goods.
IATA	Not regulated; Not dangerous goods.

15. REGULATORY INFORMATION

Setac

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
ENCE	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

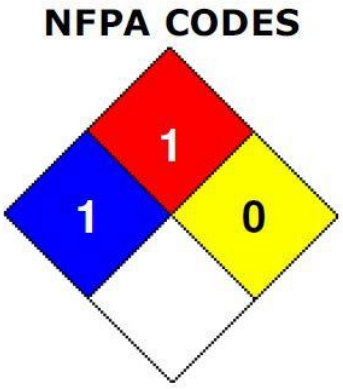
No components are subject to the Massachusetts Right to Know Act.

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 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:
KEY / LEGEND
ACGIH - American Conference of Governmental Industrial Hygienists
ADR - Agreement on Dangerous Goods by Road ASTM - American Society for Testing and Materials

Date Revised: 3.29.17

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 Conversation 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.

MANUFACTURER DISCLAIMER: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability

Setac

for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Drillfast is a registered trademark assigned to Setac Corporation

Date Revised: 3.29.17