Turbo-Lube XLT

Safety Data Sheet

Revision date: 10/22/2014

Version: 2.0

SECTION 1: Identification

Product form: Liquid

Substance name: Fats and glyceridic oils, animal,mixed with vegetatble oil methyl esters, sulfarized

CAS No.: 68990-81-8

EINECS No.: 273-626-7

Synonyms: Fats and Glyceridic oils, animal, mixed with vegetable oil Me esters, sulfurized; Mixed non-marine animal oils and mixed vegetable oils, methyl esters, sulfurized; Sulfurized animal and vegetable oil methyl esters; Fats, animal, mixed with vegetable oil Me esters, sulfurized

Intended Use Of The Product: Extreme Pressure Drilling fluid additive,lubricant, lubricant additvie

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Emergency number :(Chemtrec)1.800.424.9300
USA/Canada: 1.800.424.9300 Emergency
Europe: +44 203318047

SECTION 2: Hazards identification

GHS-US classification

Eye Irrit. H320
Resp Irrit. H335

GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US)

H320 - May cause eye irritation
H335 - May cause respiratory irritation

Precautionary statements (GHS-US) P281 - Use personal protective equipment as required.

P301+P330+331 - If ingested: Rinse mouth with water. Drink water as a precaution. Do not induce vomiting. If a large amount is ingested, seek medical attention.
P304 +P341- If inhaled: No specific treatmentis necessary since this material is not likely to be hazardous by inhalation. If symptoms are experienced, remove source of contamination or move victim to fresh air.
P302+P352+P332+P313 - If on skin: Wash with soap and water. If irritation persistsseek medical attention.
P306+P362 - If on clothing: Take off contaminated clothing and launder before reuse.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - Continue rinsing
P501 - Dispose of contents/container according to local, regional, national, and international regulations.

SECTION 3: Composition/information on ingredients

This product is not considered to bea carcinogen by IARC,ACGIH,NTPor OSHA

Name	Product Identifier	%	GHS-US classification
None Available	None Available	None Available	None Available

SECTION 4: First aid measures

First-aid measures general: Not expected to be toxic. No hazards which require special first aid measures. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
First-aid measures after inhalation: No specific treatment is necessary since this material is not likelyto be hazardous by inhalation.If symptoms are experienced,remove source of contamination or move victim to fresh air.
First-aid measures after skin contact: Wash with soap and water. Get medical attention if irritation develops or persists.
First-aid measures after eye contact: Flush eyes with water as a precaution. Get medical attentionif irritation develops or persists.
First-aid measures after ingestion: Have victim rinse mouth thouroughly with water. Drink water as a precaution. Do not induce vomiting w/o medical advice. If ingestion of a large amt does occur,seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: May cause eye or skin irritation
Symptoms/injuries after inhalation: May cause irritation of the nasal and respiratory passages.
Symptoms/injuries after eye contact: may cause irritation .
Symptoms/injuries after ingestion: Not known.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical,CO2,water spray or regular foam.

Special hazards arising from the substance or mixture

Fire hazard: Not a fire hazard.
Hazardous Combustion / Decompostion Products: Upon decomposition this product emits oxides of sulfur,Carbon Monoxide, CO2,and /or low molecular weight hydrocarbons. High temperatures may also yield hydrogen sulfide gas which is toxic. To avoid decompostion, do not overheat.

Advice for firefighters

Firefighting instructions / Special Firefighting Equipment: As with any fire,wear self contained breathing apparatus pressure demand, MSHA/NIOSH approved and full protective gear. Use water spray to cool unopened containers. Move containers from fire area if you can do it w/out risk. Do not scatter spilled material with high pressure water streams.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: Keep unecessary peronnel away.

For non-emergency personnel

Protective equipment: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up:

Methods for cleaning up: Stop leak if you can do so w/o risk. Dike the spilled material, where this is possible. Do not allow product to enter sewer or waterway. Attempt to reclaim the free product, if possible. Soak up with oil absorbant material or absorb with earth,sand or other non-combustible material and transfer to containers for later disposal. Do not allow the spilled product to enter the public drainage system mor open water courses.

Reference to other sections

See heading 13 for disposal information.

SECTION 7: Handling and storage

Precautions for safe handling: Handle and open container with care. Heat only in areas where appropriate exhaust ventilation. Recommended safe blending temperature range is 100F-150F. Protect against decompostion.Product decompostion can form toxic Hydrogen Sulfide Gas. Keep container closed when not in use. Keep the container in a well ventilated place. Manufacturer recommends storing above 40F.

Hygiene measures: In case of insufficient ventilation wear suitable respiratory equipment. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Storage conditions: Do not store near and open flame, heat or sources of ignition.

Incompatible products: Strong oxidizers, reducing agents.

Incompatible materials: NA

SECTION 8: Exposure controls/personal protection

Control parameters

Turbo-Lube XLT		
	Exposure limits for this product have not	
	been established.	

Exposure controls

Appropriate engineering controls : Ventilation should effectively remove and prevent buildup of any vapor/mist/fume/ dust generated from the handling of this product.

Personal protective equipment : Handle inaccordance with good industrial hygiene and safety practice.
goggles.

Hand protection : Wear appropriate chemical resistant gloves.
Eye protection : Wear safety glasses with sidep protection.
Skin and body protection : Normal work clothing (long sleeves and long pants recomm.
Respiratory protection : No personal respiratory protective equipment is normally required. In case of insufficient ventilationwear suitable respiratory equipment.
Other information : None.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Oil-like
Colour : Dark Brown
Odour : Mild,sulphurous
Odour threshold : No data
pH : No data
Relative evaporation rate (butylacetate=1) : No data
Melting point : No data
Freezing point : No data
Boiling point : Not known
Flash Point : 399.2F (204C)
Auto-ignition temperature
Decomposition Temperature : No data available
Flammability (solid, gas) : No data available :
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density
Density : No data avail.
Solubility : No data avail.
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable

SECTION 10: Stability and reactivity

Chemical Stability No hazards. Stable
Conditions to Avoid Direct sources of heat.

Incompatible Materials Strong oxidizing agents and reducing agents.
Hazardous Decomposition Products Upon decomposition this product emits oxides of sulfur,Carbon Monoxide, CO2,and /or low molecular weight hydrocarbons. High temperatures may also yield hydrogen sulfide gas which is toxic. To avoid decompostion, do not overheat. .

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity : None

Incomplete toxicological data are available for this product.	

Skin corrosion/irritation: Prolonged exposure may cause irritation.
Serious eye damage/irritation: May cause eye irritation.
Respiratory or skin sensitisation: Prolonged expsosure may cause irratation
Germ cell mutagenicity: Not classified
Carcinogenicity: No
Reproductive toxicity: No
Specific target organ toxicity (single exposure): None
Specific target organ toxicity (repeated exposure): None
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after eye contact: May causes eye irritation.
Symptoms/injuries after ingestion: Not known.

SECTION 12: Ecological information

Toxicity

Turbo-Lube XLT	This material is not expected to be harmful to aquatic life. This product has no Eco-Toxicological effects.

Bioaccumulative potential

Turbo-Lube XLT	
Bioaccumulative potential	Not established.

Mobility in soil

No additional information available

SECTION 13: Disposal considerations

Waste treatment methods :Dispose of in accorance with local regulators.
Water disposal Method: Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

In accordance with DOT,TDG,IMDG,ICAO/IATA : Not regulated for transportation

SECTION 15: Regulatory information

US Federal regulations All components are on the U.S. EPA TSCA Inventory List

Turbo-Lube XLT	
Sara 311/312 Hazard Catagory:	
This product contains no chemicals which are listed as hazordous waste when disposed and does not exhibit any characteristics of hazardous waste.	This product is not subject to the referenced SARA and CERCLA regulations.

US State regulations

Turbo-Lube XLT	
State or local regulations	Not regulated for transportation.

SECTION 16: Other information

Indication of changes : 04/22/2014

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS-US classification

Eye Irrit. H320	May cause eye irritation
Resp Irrit. H335	May cause respiratory irritation

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Combustible if heated

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health :1 Slight Hazard - Irritation or minor reversible injury possible

Flammability :1 Minimal Hazard

Physical :0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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