

FOOD GRADE OIL

# **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

Product Trade Name ELGI FOOD GRADE OIL Not applicable for mixtures.

Synonyms None.

Generic Chemical Name Mixture.

Product Type Formulated Industrial Lubricant.

Preparation/Revision Date 22 August 2013

Transportation Emergency FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300

Phone No. (in theU.S.)

**MSDS No.** 13455709-1422218-108331-102103

# **SECTION 2: HAZARDS INDENTIFICATION**

Appearance Clear or yellow liquid.

Odor Mild Principal Hazards Caution.

May cause eye irritation.

See Section 11 for complete health hazard information.

## **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

## **Hazardous Ingredients:**

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Alkarylamine	Confidential	From 0.5 to 1.5 percent	N/E

(N/E) - None established

# **SECTION 4: FIRST AID MEASURES**

Eyes Rinse cautiously with water for 20 minutes or until chemical is removed. Remove contact lenses, if present and

easy to do. If eye irritation persists, get medical attention.

**Skin** Wash with soap and water for 30 minutes or until chemical is removed. Immediately remove all contaminated

clothing. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If experiencing respiratory symptoms

call a poison center or doctor.

Oral Do NOT induce vomiting. Never give anything by mouth to a person who is losing consciousness, unconscious

or convulsing. Rinse mouth and then drink plenty of water, seek medical attention Call a poison center or

doctor if exposed or you feel unwell.

Additional Information Note to physician: Treat symptomatically.

# **SECTION 5: FIRE-FIGHTING MEASURES**

Flash Point >=246 °C, 475 °F ASTM D 56 (Typical)

Extinguishing Media Firefighting Procedures CO2, dry chemical, foam, water spray, water fog. Water can be used to cool and protect exposed material. Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet. Use water to cool containers exposed to fire. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. Stop leak if safe to do so. Spills produce extremely slippery surfaces. In case of fire, evacuate area. Do not release chemically contaminated water into drains, soil or surface water.

# **Unusual Fire & Explosion Hazards**

Burning may produce irritating, toxic and obnoxious fumes. Container may rupture in a fire situation. Keep material away from from heat, sparks, pilot lights, static electricity and open flame. DO NOT USE a solid stream of water. See section 10 for additional information.

ELGI

FOOD GRADE OIL

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Spill Procedures** 

Evacuate all non-essential personnel. Only trained personnel should be permitted in area. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. Eliminate all sources of heat, sparks pilot lights, static electricity and open flames. Ventilate area if spilled in confined space or other poorly ventilated areas. Shut off leak if without risk. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Material on floors may be slippery. Small spills: contain spilled material. Transfer to secure containers. Where necessary collect using absorbent media. Larger spills: stop spill and dike area to prevent spreading, pump liquid to salvage tank. remaining liquid may be taken up on sand, clay,earth, floor absorbent or other absorbent material and shoveled into containers. Place in metal containers for recovery or disposal. Pump any free liquid into an appropriate closed container. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

#### **SECTION 7: HANDLING AND STORAGE**

Pumping Temperature Not determined.

**Maximum Handling Temperature** 

Not determined.

**Handling Procedures** 

Keep away from ignition sources such as heat, sparks and open flame. No smoking. Use with adequate ventilation. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Avoid prolonged exposure to heat and air. Avoid eye contact. Avoid repeated or prolonged skin contact. When handling, do not eat, drink, or smoke. Avoid inhalation of dust, aerosol, mist, spray, fume, or vapor. Use with appropriate and adequate ventilation. Avoid contact with eyes, skin and clothing. Product can accumulate static charge when handled. Equipment should be grounded. Use grounding and bonding connection when transferring material to prevent static discharge, fire and explosion. Use spark-resistant tools. All equipment should be grounded to prevent static discharges, and vented to provide for potential energy release. Do not breathe thermal decomposition products. Thoroughly clean molding and other processing equipment prior to change over to prevent cross contamination of material handling systems. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

## **Maximum Storage Temperature**

Not determined.

**Storage Procedures** 

Keep material away from heat, sparks, pilot lights, static electricity and open flame. Store separately from oxidizers. Store in a cool, dry, well-ventilated area. Do not store in direct sunlight. Store separately from incompatible materials. Store in containers made of same material as original container. Store container tightly closed in well-ventilated place. Store in dry, well ventilated place away from sources of heat and direct sunlight. Do not store in open, unlabeled or mislabeled containers. See section 10 for incompatible materials.

#### **Maximum Loading Temperature**

Not determined.

# SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits
Other Exposure Limits
Engineering Controls

None established None known

If use generates a mist or vapor, local exhaust ventilation is recommended. Prevent inhalation by providing

effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist, or vapor

away from workers.

**Gloves Procedures** 

Consult clothing/glove manufacturer to determine appropriate type of glove for given situation. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically

protective gloves.

Eye Protection Respiratory Protection

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Use NIOSH/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined

space, for other poorly ventilated areas and for large spill clean-up sites.



#### FOOD GRADE OIL

Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Clothing Recommendation

Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse. Use good industrial hygiene practices. In case of skin contact,

wash hands and arms thoroughly with soap and water to prevent a skin reaction.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point** >=246 °C, 475 °F ASTM D 56 (Minimum)

**Upper Flammable Limit** Not determined. Lower Flammable Limit Not determined. **Autoignition Point** Not determined.

Material does not have explosive properties. **Explosion Data** 

Vapor Pressure Not determined. рH Not determined. 0.83 (20 °C) Specific Gravity

**Bulk Density** 6.94 Lb/gal, 0.83 Kg/L

Water Solubility Insoluble. **Percent Solid** Not determined. **Percent Volatile** Not determined. Volatile Organic Compound Not determined. Not determined. **Vapor Density Evaporation Rate** Not determined. Odor Mild

**Appearance** Clear to yellow liquid. 46.9 Centistokes (40 °C) Viscosity 7.9 Centistokes (100 °C)

Not determined. **Odor Threshold Boiling Point** Not determined. **Pour Point Temperature** Not determined. **Melting / Freezing Point** Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

## **SECTION 10: STABILITY AND REACTIVITY**

Stability Material is normally stable at moderately elevated temperatures and pressures.

**Decomposition Temperature** Not determined.

Incompatibility Strong mineral acids and strong oxidizing agents. Avoid strong bases

Polymerization Will not occur.

Thermal Decomposition Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

**Conditions to Avoid** Do not expose to excessive heat, ignition sources, or oxidizing materials. Direct sunlight. Contact with strong

# **SECTION 11: TOXICOLOGICAL INFORMATION**

## -- ACUTE EXPOSURE --

Eye Irritation Not expected to cause eye irritation. Based on data from components or similar materials.

Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or Skin Irritation

repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include

redness, edema, drying, and cracking of the skin.

**Respiratory Irritation** If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous

membranes and the upper respiratory tract. Based on data from similar materials.

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials. **Dermal Toxicity** Inhalation Toxicity No data available to indicate product or components may be a toxic inhalation hazard. The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials. **Oral Toxicity** 

**Dermal Sensitization** No data available to indicate product or components may be a skin sensitizer. Inhalation Sensitization No data available to indicate product or components may be respiratory sensitizers.

## -- CHRONIC EXPOSURE --

**Chronic Toxicity** No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity No data available to indicate any components present at greater than 0.1% may present a carcinogenic

hazard.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or

genotoxic.



## FOOD GRADE OIL

**Reproductive Toxicity**No data available to indicate either product or components present at greater than 0.1% that may cause

reproductive toxicity.

**Teratogenicity**No data available to indicate product or any components contained at greater than 0.1% may cause birth

defects.

#### -- ADDITIONAL INFORMATION --

Other No other health hazards known.

# **SECTION 12: ECOLOGICAL INFORMATION**

## -- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity
The acute LC50 is 100 - 1000 mg/L based on component data.
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Saltwater Fish Toxicity
Saltwater Invertebrates Toxicity
Bacteria Toxicity
Miscellaneous Toxicity
Not determined.
Not determined.
Not determined.

-- ENVIRONMENTAL FATE --

**Biodegradation**Adequate data is not available to estimate the biodegradation potential of this material. **Bioaccumulation**1 - 10% of the components potentially bioconcentrate, based on octanol/water coefficients.

Soil Mobility Not determined

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal** This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

## **SECTION 14: TRANSPORT INFORMATION**

ICAO/IATA I Not regulated. ICAO/IATA II Not regulated. **IMDG** Not regulated. **IMDG EMS Fire** Not applicable. **IMDG EMS Spill** Not applicable. **IMDG MFAG** Not applicable. **MARPOL Annex II** Not determined. **USCG Compatibility** Not determined. U.S. DOT Bulk Not regulated. Not applicable. **DOT NAERG** U.S. DOT (Intermediate) Not regulated. **U.S. DOT Intermediate NAERG** 

U.S. DOT Non-Bulk NAERG
U.S. DOT Non-Bulk NAERG
Canada Not regulated.
Mexico Not regulated.
Not regulated.

Bulk Quantity 85000 KG, 187391 lbs. Intermediate Quantity 11000 KG, 24251 lbs. Non-Bulk Quantity 400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

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FOOD GRADE OIL

# **SECTION 15: REGULATORY INFORMATION**

## -- Global Chemical Inventories --

USA All components of this material are on the US TSCA Inventory or are exempt.

Other TSCA Reg. None known.

EU To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH, or e-mail us at

REACH\_MSDS\_INQUIRIES@Lubrizol.com

Japan May require notification in Japan.

Australia All components are in compliance with chemical notification requirements in Australia.

New Zealand All components are in compliance with chemical notification requirements in New Zealand.

Canada All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic

Substances List.

Switzerland All components are in compliance with the Environmentally Hazardous Substance Ordinance in Switzerland. Lubrizol

must maintain records of all imports of this product into Switzerland. Third party importers are asked to report every

import to The Lubrizol PSCD Manager (Europe), Hazelwood, Derby DE56 1QN, UK.

**Korea** All components are in compliance in Korea.

Philippines All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control

Act of 1990 (R.A. 6969).

China All components of this product are listed on the Inventory of Existing Chemical Substances in China.

**Taiwan** May require notification before sale in Taiwan.

#### -- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances

# **SECTION 16: OTHER INFORMATION**

#### **US NFPA Codes**

Health	Fire	Reactivity	Special
1	1	0	N/E

(N/E) - None established

#### **HMIS Codes**

Health	Fire	Reactivity
1	1	0

#### **Revision Indictators**

Changed: 26 September 2012
Changed: 26 September 2012
Changed: 22 August 2013
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Changed: 26 September 2012



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