



LiquiFix

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name: LiquiFix Multi-Purpose Degreaser	Information Phone Number: 877-235-3772
Manufacturer: LiQuifix LLC 54 Research Drive; Suite 9 Stamford, CT 06906	Emergency Telephone Number: (Chemtrec): (800) 424-9300 International 703-527-3887
SDS Date of Preparation: October 23, 2015	Recommended Uses: Oil/solvent based degreaser

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Not Hazardous

Label Elements

None Required

Other Hazards: None known

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	Percentage
Ethyl lactate	97-64-3	24-42
Soybean oil, methyl ester	67784-80-9	24-42
Petroleum distillates, hydrotreated light	64742-47-8	15-25
Poly(oxy-1,2-ethanediyl), □-undecyl-□-hydroxy-	34398-01-1	5-12
Petroleum distillates, hydrotreated middle	64742-46-7	5-15

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin Contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: Aspiration hazard. DO NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get immediate medical attention. Give artificial respiration if not breathing.

Most important symptoms and effects, both acute and delayed: May cause mild eye and skin irritation. Accidental ingestion may cause gastrointestinal effects with nausea and diarrhea.

Indication of any immediate medical attention and special treatment needed: Get immediate medical attention in cases of ingestion.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media: regular dry chemical, carbon dioxide, water spray, regular foam

Special hazards arising from the chemical

Unusual fire and explosion hazards: At elevated temperatures containers may rupture.

Combustion products: oxides of carbon.

Special protective equipment and precautions for fire-fighters: Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Occupational spill/release: Stop leak if possible without personal risk. Reduce vapors with water spray

Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry.

SECTION 7 – HANDLING and STORAGE

Handling Procedures

Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Contaminated clothing should be removed and laundered before reuse.

Storage Procedures

Store in accordance with all current regulations and standards. Keep separated from incompatible substances.

SECTION 8 – EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure guidelines:

INGREDIENTS	CAS# / EINECS #	EXPOSURE LIMITS
Petroleum distillates, hydrotreated middle	64742-46-7	5 mg/m ³ TWA OSHA 5 mg/m ³ ACGIH TWA (excluding metal working fluids, highly & severely refined, inhalable fraction)

Appropriate engineering controls: General ventilation should be adequate for normal use. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed

PERSONAL PROTECTION:

Eye Protection: Avoid eye contact. Safety glasses or goggles recommended if splashing is possible.

Skin Protection: Avoid prolonged skin contact. Rubber or other impervious gloves are recommended where prolonged or repeated skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation. Use a NIOSH approved respirator with organic vapor cartridges or supplied air respirator if needed. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Other Protective Equipment: For operations where contact can occur, an eye wash facility should be available.

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Clear, light amber liquid
Color:	light amber	Physical Form:	liquid
Odor:	minimal odor to odorless	Odor Threshold:	Not available
pH:	6.5	Melting Point:	Not available
Boiling Point:	Not available	Decomposition:	Not available
Flash Point:	220-225 °F	Evaporation Rate:	Not available
LEL:	Not available	UEL:	Not available
Vapor Pressure:	Not available	Vapor Density (air = 1):	Not available
Density:	7.44 lbs/gallon (20°C)	Specific Gravity (water = 1):	0.89 (@20°C)
Water Solubility:	Not available	Coeff. Water/Oil Dist:	Not available
Auto Ignition:	Not available	Viscosity:	Not available

SECTION 10 – STABILITY and REACTIVITY

Reactivity: Not reactive.
Chemical Stability: This material is stable.
Possibility of hazardous reactions: Will not occur.
Conditions To Avoid: Avoid contact with incompatible materials.
Incompatible materials: Acids, amines, bases, oxidizing materials.
Hazardous Decomposition Products: oxides of carbon.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on toxicological effects:
Eye Contact: May cause mild irritation with redness and tearing.
Skin Contact: Irritation, absorption may occur;.
Inhalation: Vapors or mists may cause upper respiratory tract irritation, headache, dizziness, drowsiness, difficulty breathing.
Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea; aspiration hazard.
Chronic Hazards: .No information on significant adverse effects
Acute Toxicity Values: Product: Oral rat LD50 7400 mg/kg; Dermal rabbit LD50 2 g/kg

Carcinogenicity: Petroleum distillates, hydrotreated middle (64742-46-7): ACGIH:A4 - Not Classifiable as a Human Carcinogen (highly & severely refined); A2 - Suspected Human Carcinogen (poorly & mildly refined)

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: No data available.
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available.
Other adverse effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods: This product as sold does not meet the definition of a US EPA hazardous waste. Dispose in accordance with all local, state and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated	None	None	Not applicable
Canadian TDG	None	Not Regulated	None	None	Not applicable
EU ADR/RID	None	Not Regulated	None	None	Not applicable
IMDG	None	Not Regulated	None	None	Not applicable
IATA/ICAO	None	Not Regulated	None	None	Not applicable

Special precautions for user: Not applicable
Transport in bulk according to Annex II of MARPOL 73/38 and the IBC code: Not applicable

SECTION 15 – REGULATORY INFORMATION

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.
EPA SARA 311 Hazard Classification: Not Hazardous
EPA SARA 313: This product does not contain chemicals that are regulated under SARA Title III, section 313
California Proposition 65: The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA
Ethyl lactate	97-64-3	No
Petroleum distillates, hydrotreated middle ('related to: Oil mist, mineral)	64742-46-7	Yes ¹

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

Canadian WHMIS Ingredient Disclosure List: Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL.

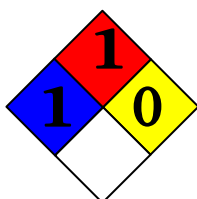
Petroleum distillates, hydrotreated middle (64742-46-7) 1 %

Component Analysis - Inventory

Component	CAS	US	CA
Soybean oil, methyl ester	67784-80-9	Yes	DSL
Ethyl lactate	97-64-3	Yes	DSL
Petroleum distillates, hydrotreated light	64742-47-8	Yes	DSL
Petroleum distillates, hydrotreated middle	64742-46-7	Yes	DSL
Poly(oxy-1,2-ethanediyl), □-undecyl-□-hydroxy-	34398-01-1	Yes	DSL

SECTION 16 – OTHER INFORMATION

Revision Summary: New Format.



NFPA

1	HEALTH
1	FLAMMABILITY
0	PHYSICAL HAZARD

HMIS

N/A = Not applicable

NDA = No data available

NEG. = Negligible

< = Less Than

> = More than

GHS Classification for Reference (See Sections 2 and 3):

None

We believe the statements, technical information and recommendations contained herein are reliable. However, the data is provided without warranty, expressed or implied. It is the user's responsibility both to determine safe conditions for use of this product and assume loss, damage or expense, direct or consequential arising from its use. Always read label before using product.