

SAFETY DATA SHEET

SECTION 1	CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT:

Product Name: UNIVERSAL TRACTOR FLUID

Product Description: Hydraulic Fluid

Intended Use: Tractor Hydraulic Fluid

SUPPLIER

Varouh Oil, Inc.

Transportation Emergency Phone

800-424-9300 or 703-527-3887 CHEMTREC

SDS Internet Address

<http://www.varouhoil.com>

SECTION 2	HAZARDS IDENTIFICATION
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Classified Hazards:

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Label Elements: No classified hazards

Other Hazards: None Known

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS	Concentration
Petroleum, heavy paraffinic oil	64742-65-0	85-95%
Additives	Proprietary	<5%
Zinc Alkyldithiophosphate	Proprietary	<2%

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 4	FIRST AID MEASURES
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INHALATION FIRST AID: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT FIRST AID: Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

EYE CONTACT FIRST AID: Flush with water for several minutes. If effects occur, consult a physician. **INGESTION**

FIRST AID: Rinse mouth with water. If symptoms develop, obtain medical attention.

SECTION 5	FIREFIGHTING MEASURES
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HMIS:

Health: 1

Flammability: 1

Instability: 0

0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)

Flash Point Minimum: 350.1°F/176.7°C **Flash Point Test Method:** COC, ASTM D92

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Extinguishing Media:

Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F/100°C. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Specific hazards arising from the chemical:

Unusual Fire & Explosion Hazards:

This material may burn, but will not ignite readily. If container is not properly cooled, it can rupture in the heat of a fire.

Hazardous Combustion Products:

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed.

Special protective actions for firefighters:

For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

****See Section 9 for Flammable Property Including Flash Point****

SECTION 6 ACCIDENTAL RELEASE MEASURES

Contain spilled material. Collect in suitable and properly labeled containers. Pick up excess with inert absorbent material. Keep away from drains and ground water.

SECTION 7 HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Avoid contact with eyes, skin, or clothing. Keep away from sources of ignition. Handle with care and avoid spillage on the floor (slippage).

STORAGE REQUIREMENTS:

Keep away from sources of ignition.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

PERSONAL PROTECTIVE EQUIPMENT:

Use of safety glasses and gloves are recommended.

Chemical Name	ACGIH	OSHA	Other
Oil Mist, Mineral	TWA: 5mg/m ³ STEL: 10mg/m ³ As Oil Mist, if Generated	TWA: 5mg/m ³ As Oil Mist, if Generated	

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Note: Data represents typical values and are not intended to be specifications.

Appearance:	Amber
Physical State:	Liquid
Viscosity:	9.4 cSt @ 100°C; 60 cSt @ 40°C
Specific Gravity:	0.87 @ 60°F (water = 1)
Bulk Density:	7.25 lbs/gal @ 60°F
Solubility in water:	Nil
FlashPoint:	>350.1°F/>176.7°C
Test Method:	COC, ASTM D92

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SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Not chemically reactive.

CHEMICAL STABILITY: Stable under normal ambient and anticipated conditions of use.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous reactions not anticipated.

CONDITIONS TO AVOID: Avoid all possible sources of ignition. Extended exposure to high temperatures can cause decomposition.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents and strong reducing agents. **HAZARDOUS**

DECOMPOSITION PRODUCTS: Not anticipated under normal conditions of use.

SECTION 11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION:

Based on data on the components and the toxicology of similar materials

ROUTES OF ENTRY:

Skin, Eyes, Ingestion, and Inhalation.

ACUTE EXPOSURE: EYE IRRITATION:

Not expected to cause eye irritation. Based on data from components or similar materials. Vapors may cause irritation.

SKIN IRRITATION:

Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

RESPIRATORY IRRITATION:

Based on data from components and similar materials, Inhalation of vapors or mists may cause irritation.

DERMAL TOXICITY:

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit **ORAL**

TOXICITY:

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat **INHALATION**

TOXICITY:

Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

SENSITIZATION:

Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

CHRONIC EXPOSURE: CHRONIC TOXICITY:

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

CARCINOGENICITY:

Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

MUTAGENICITY:

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

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 either product or components present at greater than 0.1% that may cause birth defects.

ADDITIONAL INFORMATION:

No other health hazards known.

SECTION 12	ECOLOGICAL INFORMATION
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ENVIRONMENTAL HAZARDS:

Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

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SECTION 13	DISPOSAL CONSIDERATIONS
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Dispose of in accordance with local regulations. Do not flush to surface water or drains.

SECTION 14	TRANSPORTATION INFORMATION
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Not regulated by DOT

SECTION 15	REGULATORY INFORMATION
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This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA)

SECTION 16	OTHER INFORMATION
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THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS: Updates made in accordance with implementation of GHS requirements.

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