



# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### Enhance™ Full Synthetic Manual Transmission Fluid SAE 50

**PRODUCT USE:** Transmission Fluid

**COMPANY IDENTIFICATION:** Enhance™ Lubricants, LLC  
1959 Bluff Road  
Columbia, SC 29201  
www.enhanceoil.com

**TRANSPORTATION EMERGENCY RESPONSE:** PERS – 800-633-8253

## SECTION 2: HAZARDS IDENTIFICATION

**GHS US CLASSIFICATION:** Acute Toxicity – Category 4

**SIGNAL WORD:** Warning

**HAZARD STATEMENTS:**

H332 – Harmful if inhaled

**PRECAUTIONARY STATEMENTS:**

P261 – Avoid breathing dust / fume / gas / mist / vapors / spray

P271 – Use only outdoors or in a well-ventilated area

P304 + 340 – If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 – Call poison center or doctor / physician if you feel unwell.

**HAZARDS NOT OTHERWISE CLASSIFIED:** May be harmful if in contact with skin



## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	72623-86-0	30% - 40%
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	20% - 30%
**If chemical name/CAS No is proprietary and/or weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**		

## SECTION 4: FIRST AID MEASURES

**EYES:** Check for and remove contact lenses. Flush eyes with large amounts of water for at least 15 minutes until irritation subsides. If irritation persists, get medical attention.

**SKIN:** If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe excess material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Clean or discard contaminated leather goods. If material is injected under skin, seek medical attention immediately.

**INGESTION:** Not expected to be a problem. However, if greater than ½ Liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

**INHALATION:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor / physician if you feel unwell.

**MOST IMPORTANT SYMPTOMS AND EFFECTS:**

**SYMPTOMS:** May be harmful if in contact with skin. Harmful if inhaled.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Note to Physicians: Treat Symptomatically

**SECTION 5: FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Carbon dioxide. Dry chemical.

**UNSUITABLE EXTINGUISHING MEDIA:** Water or foam may cause frothing.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Not determined.

**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:** As with any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces. Fight the fire from a safe distance in a protected location. Open any masses with a water stream to prevent ignition due to smoldering. Cool surface with water fog. Do not allow liquid runoff to enter sewers or public waters.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Take proper precautions to ensure your own health and safety before attempting spill control or clean up. For more specific information, refer to section 8. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Slipping hazard; do not walk through spilled material.

**METHODS FOR CONTAINMENT:** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined spaces.

**METHODS FOR CLEAN UP:** For small spills, absorb or cover with dry earth, sand or other inert non-combustible absorbent material and place into waste containers for lateral disposal. Contain large spills to maximize product recovery or disposal. In urban areas, clean up spill as soon as possible. In natural environments, seek clean up advice from specialists to minimize physical habitat damage.

**SECTION 7: HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust / fume / gas / mist / vapors / spray. Use only outdoors or in a well-ventilated area. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or static electricity or other sources of ignition.

**STORAGE CONDITIONS:** Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material. Empty container retain residue (liquid and/or vapor) and can be dangerous. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**ENGINEERING CONTROLS:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.

**EYE/FACE PROTECTION:** Wear safety glasses with side shields (or goggles)

**RESPIRATORY PROTECTION:** Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

**SKIN/BODY PROTECTION:** Chemical resistant, impermeable gloves. Long sleeve shirt and long pants. Aprons. Wear a lab coat.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Attention: the data below are typical values and do not constitute a specification.**

**Color:** Amber

**Physical State:** Liquid

**Odor:** Mild petroleum

**Odor Threshold:** No data available

**pH:** No data available

**Vapor Pressure:** <0.1 mmHg (at 20°C / 68°F)

**Vapor Density (Air = 1):** >2.0

**Boiling Point/Boiling Range:** >316°C / >600°F

**Solubility:** No data available

**Freezing Point:** No data available

**Melting Point:** No data available

**Pour Point Temperature:** No data available

**Specific Gravity:** No data available

**Evaporation Rate:** No data available

**Decomposition Temperature:** No data available

**Partition Coefficient:** No data available

**Flash Point:** No data available

**Flammability (Solid, Gas):** Liquid – Not applicable

**Upper Flammability Limits:** No data available

**Lower Flammability Limits:** No data available

**Auto-Ignition Temperature:** No data available

**Kinematic Viscosity:** 129.0 cSt @ 40°C / 104°F

**Dynamic Viscosity:** 18.0 cSt @ 100°C / 212°F

**Explosive Properties:** No data available

**Oxidizing Properties:** No data available

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** Not reactive under normal conditions.

**CHEMICAL STABILITY:** Stable under recommended storage conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal processing.

**HAZARDOUS POLYMERIZATION:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Keep away from extreme heat, sparks, open flame and incompatible materials.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION OF LIKELY ROUTES OF EXPOSURE:

**EYE CONTACT:** Avoid contact with eyes

**SKIN CONTACT:** May be harmful if in contact with skin

**INHALATION:** Harmful if inhaled

**INGESTION:** Do not ingest

Chemical Name	Oral LD50	Dermal LD50	Inhalation-LD50
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based 72623-86-0	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	=2.18 mg/L (Rat) 4h
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based 72623-87-1	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	=2.18 mg/L (Rat) 4h

### **INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS:**

**SYMPTOMS:** See Section 4

**CARCINOGENICITY:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**NUMERICAL MEASURES OF TOXICITY:** Not determined

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### **COMPONENT INFORMATION:**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based 72623-86-0		5000: 96h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based 72623-87-1		5000: 96h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

**MOBILITY:** Not determined

**BIOACCUMULATION:** Not determined

**PERSISTENCE/DEGRADABILITY:** No data available

### SECTION 13: DISPOSAL CONSIDERATIONS

**OTHER ADVERSE EFFECTS:** No data available

**DISPOSAL OF WASTES:** Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**CONTAMINATED PACKAGING:** Disposal should be in accordance with applicable regional, national, and local laws and regulations.

### SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DOT:** Not regulated

**IMO/IMDG:** Not regulated

**ICAO/IATA:** Not regulated

### SECTION 15: REGULATORY INFORMATION

#### INTERNATIONAL INVENTORIES:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	Present	X		Present		Present	X	Present	X	X
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	Present	X		Present		Present	X	Present	X	X

#### Legend:

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### US FEDERAL REGULATIONS:

##### CERCLA

This material, as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<b>SECTION 16: OTHER INFORMATION</b>
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<b>NFPA RATINGS:</b>	Health: 0	Flammability: 1	Reactivity: 0	Special Hazards: NA
<b>HMIS RATINGS:</b>	Health: 0	Flammability: 1	Reactivity: 0	Personal Protection: NA

**DISCLAIMER**

*The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose*

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