



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

1. Product and Company Identification

Product Name: Specialty Power Transfer Unit Fluid
Product Code: See Attachment
Application: Gear oil
Supplier: Ford Motor Company
 Attention: MSDS Information, P.O. Box 1899
 Dearborn, Michigan 48121
 1-800-392-3673

Emergency Telephone: Poison Control Center: 1-800-959-3673
 CHEMTREC: U.S. and Canada: 1-800-424-9300
 CHEMTREC: International: 1-703-527-3887

2. Composition/Information on Ingredients

This chemical product is a preparation.

Chemical Name	CAS Number	Percent Concentration	Hazard Classification
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	1-5	RSMS_D_ALL HAZCOM DSL LISTED RSMS_P_SOM
CYCLOHEXANONE	108-94-1	0.1-1	WHMIS 0.1 RQ PEL/TLV-US DSL LISTED ACGIH/OSHA RSMS_D_ALL

3. Hazards Identification

CAUTION

Health: Direct contact with eye causes irritation.
 Causes skin irritation.
 This product may cause an allergic skin reaction.
 Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
 Inhalation of vapors (generated at high temperatures only) may cause mild irritation of the nose, throat, and respiratory tract.
 Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
 Prolonged or repeated contact with this product may dry and/or defat the skin.

Environment: Material contains a chemical which is a Hazardous Air Pollutant (HAP), regulated by the United States Clean Air Act.



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

4. First-Aid Measures

Inhalation: If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. If irritation persists, get medical attention.

Skin Contact: For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical attention. If irritation persists, get medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.

Notes to a Physician: If the affected person is not breathing, apply artificial respiration. If the affected person's breathing is difficult, give oxygen.

5. Fire-Fighting Measures

Extinguishing Media: Use any media suitable for the surrounding fires.

Specific Methods: A fine spray or fog of water will reduce the intensity of flames. Do not use a solid stream of water, as this could spread the fire. Firemen should wear a self-contained breathing apparatus. Use water to cool fire-exposed containers, structures, and to protect personnel.

Specific Hazards: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.

Protection of Firefighters: Fire fighters should be equipped with NIOSH-approved, self-contained breathing apparatus (SCBA) and full protective clothing.

6. Accidental Release Measures

Personal Precautions: Avoid inhalation of vapors and contact with skin and eyes. Provide adequate ventilation. Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions: Do not allow the spilled product to enter public drainage system or open water courses.



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

Methods for Cleaning Up: Stop the flow of material, if this is without risk.
 Contain the discharged material.
 Absorb the spilled material with an inert absorbent (nonflammable) material.
 Thoroughly wash the area after a spill or leak clean-up.
 When product is used to mitigate a hazardous material, the resultant material must be handled in the same fashion as the hazardous material.

7. Handling and Storage

Handling:

Technical Measures: Avoid the generation of oil mists.
 Keep this product from heat, sparks, or open flame.

Precautions and Advice for Safe Handling: Avoid contact with skin, eyes and clothing.
 Elevated temperature or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, and lungs.
 Avoid breathing vapors or mist.
 Avoid prolonged or repeated skin contact with this material.
 Wear protective equipment during handling.
 Use with adequate ventilation.

Storage: Technical Measures: No special precautions necessary.

Storage Conditions: Do not store this material in open or unlabeled containers.
 Keep the container tightly closed and in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering Measures: Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust, and/or mist, use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.
 Eyewash fountains and emergency showers are required.

Control Parameters: If oil mist is generated, observe the OSHA exposure limit of 5 mg/m³ (TWA) and the ACGIH exposure limit of 5 mg/m³ (TWA) and the ACGIH short term exposure limit (STEL) of 10 mg/m³. Ford Motor Company recommends an exposure limit of 1.0 mg/m³.

Exposure Limits:			
Chemical Name	TWA	STEL/C	References
CYCLOHEXANONE	20(ppm)		ACGIH
	50(ppm)	200(ppm)	OSHA

Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

Personal Protective Equipment:

Respiratory Protection: If vaporization or mist is occurring (i.e., under conditions of high temperature, etc.), use an air purifying respirator (mechanical filter with accompanying organic vapor cartridge).

Hand Protection: The use of neoprene gloves is recommended.
 The use of nitrile-latex gloves is recommended.

Eye Protection: Wear safety glasses with side shields.
 Wear chemical goggles; face shield (if splashing is possible).

Skin and Body Protection: Remove contaminated clothing and wash before reuse.

Hygiene Measures: Wash thoroughly after handling.
 When using this material, do not eat, drink or smoke.

9. Physical and Chemical Properties

Specific Gravity: 0.873 H₂O=1 @15°C

Physical State: LIQUID

Form: LIQUID

Odor: OIL

Color: BROWN

pH: N.AP ASTM D1293

Temperature Range During which Changes in Physical State Occur:

Flash Point: 212 °C COC

Explosion Properties:

UEL: N.AV

LEL: N.AV

Solubility: INSOLUBLE IN WATER

Viscosity: 119.1 cSt @40°C

Evaporation Rate: N.AV



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

10. Stability and Reactivity

Stability: This is a stable material.
Hazardous polymerization will not occur.

Conditions and Materials to Avoid: This product can react with oxidizing materials.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other low molecular weight hydrocarbons.
Decomposition of this product may emit oxides of sulfur.

11. Toxicological Information

103-24-2 DI-2-ETHYL HEXYL AZELATE
Oral, adult rat, LD50 = 8720 mg/kg
103-24-2 DI-2-ETHYL HEXYL AZELATE
Skin, adult rabbit, LD50 = 20 gm/kg

Inhalation: Exposure to oil mist/fume/vapor may cause respiratory tract irritation.

Skin Contact: Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
The skin sensitization potential of this product has not been fully assessed, assume that contact with the skin may cause allergic contact dermatitis. Risks are higher where prolonged or repeated skin contact with a fluid may occur.

Chronic (Long Term) Toxicity: Base oil severely refined: Not carcinogenic in animal studies.
Representative material passes IP-346, Modified Ames test, and/or other screening tests.

12. Ecological Information

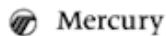
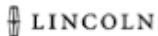
Persistence/Degradability: The product is biodegradable.

Ecotoxicity: The product is not bioaccumulating.

13. Disposal Considerations

Waste from Residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

Contaminated Packaging: No available information.



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

14. Transport Information

U.S. Department of Transportation (DOT) 49 - CFR 172.101

This product is not regulated as a dangerous good.

Canadian Transportation of Dangerous Goods (T.D.G.) - TDGR Schedule II

This product is not regulated as a dangerous good.

Secretary of Communication and Transportation (SCT) - NOM-002-SCT2/1994 (Mexico)

This product is not regulated as a dangerous good.

International and Domestic Air Transportation - ICAO & IATA Section 4.2

This product is not regulated as a dangerous good.

International Water Transportation - IMDG Code Amendment 31-02

This product is not regulated as a dangerous good.

15. Regulatory Information

The components of this product are listed on the TSCA Inventory

This product contains NONE of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

This product contains trace amounts of chemicals (<0.01%) being listed on California Prop 65 list.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

Don't pollute. Conserve resources. Return used oil to collection centers.

Material contains a chemical which is a Ford Motor Company Material of Concern. Use and release of this material should be minimized to the greatest extent possible.

16. Other Information

Key/Legend: N.AP = Not applicable; N.AV = Not available; ND = Not determined or No data; TLV = Threshold limit value; TWA = Time-weighted average; STEL = Short-term exposure limit; C = Ceiling limit

HMIS and NFPA Hazard Class Information:

HMIS Hazard Class: Health: 1 (Slight) Flammability: 1 (Slight) Physical Hazard: 0 (Least)

NFPA Hazard Class: Health: 1 (Slight) Flammability: 1 (Slight) Instability: 0 (Least)

The following sections contain revisions OR 2
NEW statements. 15
5
5
8



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

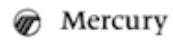
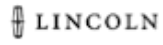
Level: 1
Release Date: 2011-07-28

Preparation Information:

The chemical identification and properties for this material were provided by the manufacturer. For Canadian locations, a manufacturer's MSDS is available upon request. Health and safety information has been evaluated by the Occupational and Environmental Health Sciences Department, Ford Motor Company, Diagnostic Service Center II, 1800 Fairlane Drive, Allen Park, MI 48101, USA.

Disclaimer:

The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.



Material Safety Data Sheet

FIR No.: 174980
Version Number: US-US-4

Level: 1
Release Date: 2011-07-28

Attachment

Product Code	Container Size	Part of Kit	Kit Product Code
XY-75W90-PTU	1.05 pt. (500 mL)		
