



**Material Safety Data Sheet**

**FIR No.:** 048396  
**Version Number:** US-US-4

**Level:** 3  
**Release Date:** 2010-08-05

**1. Product and Company Identification**

**Product Name:** SAE 75W-140 Synthetic Rear Axle Lubricant  
**Product Code:** See Attachment  
**Application:** Rear axle lubricant  
**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 HYDROTREATED HEAVY PARAFFINIC	64742-54-7	1-5	DSL LISTED RSMS_P_SOM RSMS_D_ALL HAZCOM

**3. Hazards Identification**

CAUTION

**Health:** This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may cause temporary irritation to the upper respiratory tract.  
 No skin irritation can be expected from single short-term exposure to this product. Prolonged or repeated contact may produce some irritation.

**Physical and Chemical Hazards:** This product is combustible at high temperatures.

**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:** Wash skin 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.



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**Ingestion:** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

**Notes to a Physician:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**5. Fire-Fighting Measures**

**Extinguishing Media:** Dry chemical, foam, carbon dioxide.

**Specific Methods:** Use water to cool fire-exposed containers, structures, and to protect personnel. Water may be an ineffective extinguishing medium.

**Specific Hazards:** Decomposition of this product may yield oxides of sulfur, carbon disulfide and hydrogen sulfide. Irritating and/or toxic fumes and gases may be emitted upon heating of this product. Upon decomposition, this product emits aldehydes. 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:** Ventilate the contaminated area. 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. Do not allow this material to drain into sewers/water supplies.

**Methods for Cleaning Up:** Attempt to reclaim the free product, if this is possible. Absorb the spilled material with an inert absorbent (nonflammable) material.

**7. Handling and Storage**

**Handling:**

**Technical Measures:** No special precautions necessary.

**Precautions and Advice for Safe Handling:** Use with adequate ventilation.



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**Storage: Technical Measures:** No special precautions.  
**Storage Conditions:** Keep the container tightly closed and in a cool, well-ventilated place. Storage temperatures should not exceed 40 C.

**8. Exposure Controls/Personal Protection**

**Control Parameters:** If oil mist is generated, observe the OSHA exposure limit of 5 mg/m3. Ford Motor Company recommends an exposure limit of 1.0 mg/m3.

**Personal Protective Equipment:**

**Respiratory Protection:** None required under normal conditions. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

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

**Eye Protection:** Wear safety glasses with side shields.

**Skin and Body Protection:** Use of protective coveralls and long sleeves is recommended. Wash thoroughly after handling.

**Hygiene Measures:** Wash contaminated clothing before reuse.



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9. Physical and Chemical Properties

Specific Gravity: 0.87 15.6°C  
Physical State: LIQUID  
Odor: MILD BLAND  
Color: LIGHT COLORED  
pH: N.AP  
Temperature Range During which Changes in Physical State Occur:  
Boiling Point: N.AV  
Freezing Point: N.AV  
Flash Point: > 165 °C COC  
Auto-ignition Temperature: 354 °C  
Explosion Properties:  
UEL: ND  
LEL: ND  
Vapor Pressure: ND  
Vapor Density: N.AV  
Solubility: INSOLUBLE IN WATER  
Viscosity: 185@40°C cSt ASTM D445  
Evaporation Rate: N.AV

10. Stability and Reactivity

Stability: Stable at ambient and moderately elevated temperatures and pressures.  
Hazardous polymerization will not occur.  
Conditions and Materials to Avoid: This product may react with oxidizing agents.  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other low molecular weight hydrocarbons.  
Decomposition of this product may emit hydrogen sulfide.  
Decomposition of this product may emit oxides of sulfur.



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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.  
Prolonged or repeated contact with this product may dry and/or defat the skin.

**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

**Ecotoxicity:** The acute EC50 for freshwater fish is 100 - 1000 ppm based on component data.

13. Disposal Considerations

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

**Contaminated Packaging:** No consideration given when disposed of according to local, state, and Federal regulations.



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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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Not a controlled product

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: 0 (Least) 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  
NEW statements.

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**Preparation Information:**

The chemical identification and properties for this material were provided by the manufacturer. For Canadian locations, a manufacture'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.



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**Attachment**

<b>Product Code</b>	<b>Container Size</b>	<b>Part of Kit</b>	<b>Kit Product Code</b>
XY-75W140-QL	1 qt.		
XY-75W140-QL1	1 qt.		