



Material Safety Data Sheet

FIR No.: 173576
Version Number: US-US-5

Level: 1
Release Date: 2013-09-17

1. Product and Company Identification

Product Name: SAE 80W-90 Premium 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	Percent Concentration	Hazard Classification
PETROLEUM DISTILLATES HYDROTREATED HEAVY PARAFFINIC	60-100	DSL LISTED HAZCOM RSMS_D_ALL RSMS_P_SOM
RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	10-30	DSL LISTED HAZCOM RSMS_P_SOM RSMS_D_ALL
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	1-5	DSL LISTED RSMS_D_ALL HAZCOM RSMS_P_SOM

3. Hazards Identification

Health: Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
 Exposure to oil mist/fume/vapor may cause respiratory tract irritation.
 No significant eye irritation can be expected from contact with this product.
 If ingested, this product may cause gastrointestinal irritation.

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



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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: Immediately take off all contaminated clothing. 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.

Ingestion: First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.

Most Important Symptoms Effects: Slight irritation to the nose and throat (inhalation), redness, and tearing (eyes exposure), itching (skin exposure).

Notes to a Physician: This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

5. Fire-Fighting Measures

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Specific Methods: Use water to cool fire-exposed containers, structures, and to protect personnel.

Specific Hazards: Empty container(s) may retain product residue -- solid, liquid, and/or vapor -- and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Water or foam may cause frothing if the product is heated above 93 degrees C (200 degrees F). Combustion may produce the following products: Oxides of carbon, nitrogen, and phosphorus. Decomposition of this product may yield hydrogen sulfide and sulfur dioxide.

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 excessive skin contact with the spilled material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Surfaces may become slippery after spillage. Wear appropriate protective equipment and clothing during clean-up.



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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: Dike the spilled material, where this is possible. Stop the flow of material, if this is without risk. Absorb the spilled material with an inert absorbent (nonflammable) material.

7. Handling and Storage

Handling:

Technical Measures: Avoid the generation of oil mists.

Precautions and Advice for Safe Handling: Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated skin contact with this material. 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. Eliminate all sources of ignition.

Storage: Technical Measures: No special precautions necessary.

Storage Conditions: Keep the container tightly closed and dry. Keep this product from heat, sparks, or open flame. Store this product away from strong oxidizing agents. Store this product in a cool, dry, well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering Measures: Use general ventilation. Eyewash and emergency showers are recommended.

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.



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Personal Protective Equipment:

Respiratory Protection: 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: Use of impervious gloves is required, such as neoprene or nitrile rubber gloves.

Eye Protection: Wear safety glasses with side shields.

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

Hygiene Measures: Wash thoroughly after handling.



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9. Physical and Chemical Properties

Specific Gravity: 0.88-0.89 H₂O=1 @15.6°C
Physical State: LIQUID
Form: OIL
Odor: PETROLEUM
Color: AMBER
pH: N.AP

Temperature Range During which Changes in Physical State Occur:

Boiling Point: N.AV
Freezing Point: N.AP
Melting Point: N.AP

Flash Point: 150 minimum °C ASTM D93

Auto-ignition Temperature: ND

Explosion Properties:

UEL: ND
LEL: ND

Vapor Pressure: <1@20°C mmHg

Vapor Density: >1 (AIR=1)

Solubility: NEGLIGIBLE IN WATER

Viscosity: 132-146@40°C cSt ASTM D445

Evaporation Rate: ND

10. Stability and Reactivity

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

Conditions and Materials to Avoid: This product may react with strong oxidizing agents (bleach--sodium hypochlorite, calcium hypochlorite, hydrogen peroxide, permanganate, nitric acid, concentrated OXYGEN, perchlorates).
 This product may react with strong reducing 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 yield oxides of phosphorus.
 Decomposition of this product may yield oxides of sulfur and nitrogen.



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11. Toxicological Information

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.

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.

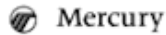
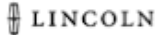
12. Ecological Information

No specific aquatic data available for this product.

13. Disposal Considerations

Waste from Residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation. Empty containers may contain hazardous residues (vapors, liquid, and/or solid). Do not reuse the empty container without commercial cleaning or reconditioning.

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

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
California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.
This product contains trace amounts of chemicals (<0.01%) being listed on California Prop 65 list.
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: 0 (Least) Flammability: 1 (Slight) Instability: 0 (Least)

The following sections contain revisions OR 7
NEW statements. 2
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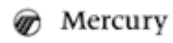
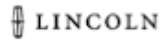
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Preparation Information:

The chemical identification and properties for this material were provided by the manufacturer. 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

Product Code	Container Size	Part of Kit	Kit Product Code
XY-80W90-KL	16 U.S. gal.		
XY-80W90-QL	1 qt.		