



Material Safety Data Sheet

FIR No.: 173219
Version Number: US-US-6

Level: 3
Release Date: 2007-01-25

1. Product and Company Identification

Product Name: SAE (5W-20 and 5W-30 Premium Synthetic Blend, 10W-30 Super Premium, and 10W-40 Premium) Motor Oil
Product Code: See Attachment
Application: Motor 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.
 This Chemical Product Contains No Other Ingredients Now Known To Be Hazardous as Defined by the Applicable Regulations.

HIGHLY REFINED MINERAL OIL	8042-47-5D	60-100
ZINC COMPOUND	7440-66-6Z	0.5-1.5

3. Hazards Identification

Health: Exposure to oil mist/fume/vapor may cause respiratory tract irritation. Inhalation of mist and vapors may irritate the nose, throat, and lungs. This product is not expected to cause eye irritation under normal conditions of use. Symptoms of slight eye irritation may result when direct contact occurs.
 Ingestion of this product may cause nausea, vomiting and diarrhea. No skin irritation can be expected from single short-term exposure to this product. Prolonged or repeated contact may produce some irritation.

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.

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



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Notes to a Physician: If the affected person is not breathing, apply artificial respiration. 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: Water may be used to cool exposed containers to prevent pressure build-up and explosion when exposed to extreme heat.

Specific Hazards: Combustion may produce the following products: Oxides of carbon, nitrogen, and phosphorus. Decomposition of this product may yield hydrogen sulfide and sulfur dioxide. 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).

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: 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.

Environmental Precautions: Do not allow the spilled product to enter public drainage system or open water courses. WATER SPILL: Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in confined waters.

Methods for Cleaning Up: Dike the spilled material, where this is possible. Absorb the spilled material with an inert absorbent (nonflammable) material. In case of large spills, follow all facility Emergency Response Procedures.

7. Handling and Storage

Handling:

Technical Measures: Avoid the generation of oil mists.



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9. Physical and Chemical Properties

Specific Gravity: 0.85-0.88
Physical State: LIQUID
Odor: PETROLEUM
Color: AMBER
pH: N.AP
Temperature Range During which Changes in Physical State Occur:
Flash Point: 191 °C ASTM D93
Auto-ignition Temperature: N.AV
Explosion Properties:
 UEL: N.AV
 LEL: N.AV
Vapor Pressure: <1@20°C mmHg
Vapor Density: >1 (AIR=1)
Solubility: NEGLIGIBLE IN WATER
Viscosity: 45-117 cSt ASTM D445
Evaporation Rate: <1 (BuAc = 1)

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: Decomposition of this product may emit oxides of nitrogen and carbon monoxide.
 Decomposition of this product may yield oxides of phosphorus.
 Decomposition of this product may emit oxides of sulfur.
 Decomposition of this product may yield metallic oxides.
 Decomposition of this product may emit hydrogen sulfide.
 Irritating and/or toxic gases may be emitted upon the product's decomposition.



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11. Toxicological Information

Skin Contact: Prolonged or repeated contact with this product may dry and/or defat the skin.
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.
Continuous long term contact with used motor oil has caused skin cancer in animal 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.

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

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

Used engine oils, while not a component of this material, is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

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

Petroleum distillate base oils used in the product are severely hydrotreated and/or solvent refined.

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

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 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, National Parts General Office, MD74, 29500 Plymouth Road, Livonia, MI 48150, 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
XO-10W30-BSP	Bulk		
XO-10W30-DSP	55 U.S. Gallon Drum		
XO-10W30-DSP1	55 U.S. Gallon Drum		
XO-10W30-QSP	1 qt.		
XO-10W30-QSP1	1 qt.		
XO-10W30-RSP	Railcar		
XO-10W30-5QSP	5 qt.		
XO-10W40-DP	55 U.S. Gallon Drum		
XO-10W40-QP	1 qt.		
XO-5W20-BSP	Bulk		
XO-5W20-DSP	55 U.S. Gallon Drum		
XO-5W20-DSP1	55 U.S. Gallon Drum		
XO-5W20-QSP	1 qt.		
XO-5W20-QSP1	1 qt.		
XO-5W20-RSP	Railcar		
XO-5W20-TSP	261 U.S. Gallon Tote		
XO-5W20-5QSP	5 qt.		
XO-5W30-BSP	Bulk		
XO-5W30-DSP	55 U.S. Gallon Drum		
XO-5W30-DSP1	55 U.S. Gallon Drum		
XO-5W30-QSP	1 qt.		
XO-5W30-QSP1	1 qt.		
XO-5W30-RSP	Railcar		
XO-5W30-TSP	261 U.S. Gallon Tote		
XO-5W30-5QSP	5 qt.		