

Material Safety Data Sheet

1. Product and Company Identification

Synthetic Blend MERCON® V Automatic Transmission and Power
Steering Fluid
See Attachment

Fill for power steering systems requiring MERCON® V fluid

Ford Motor Company of Canada

Oakville, Ontario L6J 5E4

1-800-392-3673

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 LIGHT	64742-55-8	10-30	HAZCOM RSMS_P_SOM
PARAFFINIC PETROLEUM DISTILLATES HYDROTREATED HEAVY PARAFFINIC	64742-54-7	5-10	HAZCOM RSMS P SOM

3. Hazards Identification

Health:

Exposure to oil mist/fume/vapor may cause respiratory tract irritation. No skin irritation can be expected from single short-term exposure to this product. Prolonged or repeated contact may produce some irritation.

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, or when exposed to high mist levels in poorly ventilated areas.

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, do not induce vomiting. Get immediate medical attention or advice -- give several glasses of water or milk.

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: EXTINGUISHER INFORMATION: Dry chemical, foam, carbon dioxide, water fog.

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

Specific Hazards: Water or foam may cause frothing if the product is heated above 93 degrees C (200 degrees F). 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. Combustion may produce the following products: Oxides of carbon, nitrogen, and phosphorus.

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. 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.

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. In case of large spills, follow all facility Emergency Response Procedures.

8. Handling and Storage

Handling:

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

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Precautions and Advice for Safe
Handling:

Avoid breathing vapor or mist.
Avoid prolonged or repeated skin contact with this material.

Storage: Technical Measures:

Do not reuse the empty container.

Storage Conditions:

Keep the container tightly closed and dry.
Store this product in a cool, dry, well-ventilated place.
Store this product away from strong oxidizing agents.

8. Exposure Controls/Personal Protection

Engineering Measures:

General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment. Local ventilation is needed in the presence of airborne mists.

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 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:

Light protective clothing is recommended.

Hygiene Measures:

Wash thoroughly after handling.
Wash contaminated clothing before reuse.

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9. Physical and Chemical Properties

Specific Gravity:	0.84-0.85 @15.6°C
Physical State:	LIQUID
Odor:	PETROLEUM
Color:	AMBER
pH:	N.AP
Temperature Range During which Changes in Physical State Occur:	
Boiling Point:	
Flash Point:	ND
Explosion Properties:	157 °C ASTM D93
UEL:	
LEL:	
Vapor Pressure:	ND ND <1@20°C
Vapor Density:	mmHg
Solubility:	>1 (AIR=1) @20°C
Viscosity:	NEGLIGIBLE IN WATER
Evaporation Rate:	31@40°C cSt ASTM D445

10. Stability and Reactivity

Stability:	ND
	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.
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Hazardous Decomposition Products:	Decomposition of this product may emit oxides of nitrogen and carbon monoxide. Decomposition of this product may emit oxides of sulfur. Decomposition of this product may yield oxides of phosphorus.
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11. Toxicological Information

Skin Contact:

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.
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

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

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.

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

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

Product Code	Container Size	Part of Kit	Kit Product Code
XT-5-QSM	1 qt. (946 mL)		
