

Material Safety Data Sheet

FIR No.: 173581
Version Number: US-US-3

Level: 2
Release Date: 2006-02-22

1. Product and Company Identification

Product Name: MERCON® V, MERCON®, also meets DEXRON® III, Automatic Transmission Fluid

Product Code: See Attachment

Application: Automatic Transmission Fluid

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 LIGHT PARAFFINIC	64742-55-8	>70	HAZCOM RMSSPROH
PETROLEUM DISTILLATES HYDROTREATED HEAVY PARAFFINIC	64742-54-7	5-10	HAZCOM RMSSPROH
2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH N-[3-(DIMETHYLAMINO)PROPYL]-2-METHYL-2-PROPENAMIDE, DODECYL 2-METHYL PROPENOATE AND HEXADECYL-DIDECYL 2-METHYL-2-PROPENOATES (EPA ACCESSION NO. 62669)	176487-46-0A	5-10	
LUBRICATING OILS (PETROLEUM) C15-30 HYDROTREATED, NEUTRAL OIL BASED	72623-86-0	1-5	HAZCOM RMSSPROH

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.



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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: Wash skin with soap and water.

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

Notes to a Physician: If the affected person's breathing is difficult, give oxygen.

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 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 excessive skin contact with the spilled material.

Environmental Precautions: Do not allow this material to drain into sewers/water supplies.

Methods for Cleaning Up: Contain the discharged material. Absorb the spilled material with an inert absorbent (nonflammable) material.

7. 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: Do not store near heat, spark or open flame.
Keep the container in a 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: Use of impervious gloves is recommended, such as neoprene.

Eye Protection: Wear safety glasses.

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: 0.86-0.87
Physical State: LIQUID
Odor: PETROLEUM
Color: CLEAR RED
pH: N.AV
Temperature Range During which Changes in Physical State Occur:
Flash Point: 157 minimum °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: 33.2@40°C cSt ASTM D445
Evaporation Rate: <1 (BuAc = 1)

10. Stability and Reactivity

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

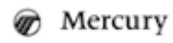
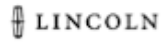
Conditions and Materials to Avoid: This product may react with oxidizing agents.

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.

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.



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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

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.

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

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
XT-5-5QM	5 qt		
XT-5-BM	Bulk		
XT-5-DM	55 U.S. gal		
XT-5-DMC	55 U.S. Gallons		
XT-5-GM	1 U.S. gal		
XT-5-QM	1 qt		
XT-5-QM1	1 qt		
XT-5-QMC	1 qt		
XT-5-RM	Railcar		
XT-5-TM	261 U.S. Gallons		