

Ford Motor Company



LINCOLN

Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID

FIR No. 157262

Level: 1

Version Number: US-US-1

Release Date: 2004-07-30

1. Product and Company Identification

Product Name:	MERCON V AUTOMATIC TRANSMISSION FLUID
Product Code	See Attachment
Application:	Fill for automatic transmissions requiring MERCON V 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	>60	HAZCOM
PETROLEUM DISTILLATES HYDROTREATED HEAVY PARAFFINIC	64742-54-7	>10-30	HAZCOM
BUTYL ACRYLATE-METHYL METHACRYLATE-STYRENE POLYMER	25767-47-9A	5-10	
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	>5-10	HAZCOM
DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC	64741-97-5	>5-10	HAZCOM
PETROLEUM DISTILLATES, HYDROTREATED MIDDLE	64742-46-7	>5-10	HAZCOM RSMSREP RSMSREST
PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	>5-10	HAZCOM
PETROLEUM DISTILLATES, HYDROTREATED LIGHT NAPHTHENIC	64742-53-6	>5-10	HAZCOM
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	64742-65-0	>5-10	HAZCOM
LUBRICATING OILS (PETROLEUM) C15-30 HYDROTREATED, NEUTRAL	72623-86-0	>5-10	HAZCOM

Ford Motor Company



LINCOLN

Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID

FIR No. 157262

Version Number: US-US-1

Level: 1

Release Date: 2004-07-30

OIL BASED

3. Hazards Identification

CAUTION

Health: This product may cause irritation to the respiratory system.

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

4. First-Aid Measures

Inhalation: If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air.

Skin Contact: For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

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: A fine spray or fog of water will reduce the intensity of flames. Do not use a solid stream of water, as this could spread the fire. Firemen should wear a self-contained breathing apparatus. Use water to flush spills from the area of the fire. Water may be used to cool exposed containers to prevent pressure build-up and explosion when exposed to extreme heat.

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. Irritating and/or toxic fumes and gases may be emitted upon heating of this product.



Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID

FIR No. 157262

Version Number: US-US-1

Level: 1

Release Date: 2004-07-30

6. Accidental Release Measures

Personal Precautions:

Avoid excessive skin contact with the spilled material.
Avoid inhalation of vapor, fumes, dust and/or mist from the spilled material.
Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
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:

Dike the spilled material, where this is possible.
Absorb the spilled material with an inert absorbent (nonflammable) material.
Thoroughly wash the area after a spill or leak clean-up.

7. Handling and Storage

Handling:

Technical Measures:

Keep this product from heat, sparks, or open flame.

Precautions and Advice for Safe Handling:

Avoid getting this material into contact with your eyes.
Avoid prolonged or repeated breathing of this material.
Avoid prolonged or repeated skin contact with this material.

Storage:

Technical Measures:

No special precautions.

Storage Conditions:

Keep the container tightly closed and in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering Measures:

Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
Use general ventilation.

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.

Ford Motor Company



LINCOLN

Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID

FIR No. 157262

Level: 1

Version Number: US-US-1

Release Date: 2004-07-30

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:	The use of neoprene gloves is recommended.
Eye Protection:	Wear safety glasses with side shields.
Skin and Body Protection:	Use of protective coveralls and long sleeves is recommended. Remove contaminated clothing and wash before reuse.
Hygiene Measures:	Wash thoroughly after handling.

9. Physical and Chemical Properties

Specific Gravity: 0.86-0.87

Physical State: LIQUID

Odor: HYDROCARBON

Color: RED

pH: N.AV

Temperature Range which changes in Physical State occur:

Boiling Point: N.AV

Flash Point: >+177.222 °C COC

Explosion Properties:

UEL: N.AV

LEL: N.AV

Vapor Density: >1 (AIR = 1)

Solubility: INSOLUBLE IN WATER

Evaporation Rate: N.AV

10. Stability and Reactivity

Stability: This is a stable material.

Hazardous polymerization will not occur.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other low molecular weight hydrocarbons.

Irritating and toxic gases or fumes may be released during a fire.

Ford Motor Company



LINCOLN

Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID

FIR No. 157262

Level: 1

Version Number: US-US-1

Release Date: 2004-07-30

11. Toxicological Information

Inhalation: Exposure to oil mist/fume/vapor may cause respiratory tract irritation.

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

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 available information.

Ford Motor Company



LINCOLN

Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID
FIR No. 157262
Version Number: US-US-1

Level: 1**Release Date:** 2004-07-30

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 has not been reviewed for this regulation.

International and Domestic Air Transportation - ICAO & IATA Section 4.2

This product has not been reviewed for this regulation.

International Water Transportation - IMDG Code Amendment 31-02

This product has not been reviewed for this regulation.

15. Regulatory Information

This product contains a toxic chemical or chemicals 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

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

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, Central Laboratory Building - Room S-120, 15000 Century Drive, Dearborn, MI 48120

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.

Ford Motor Company



LINCOLN

Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

Product Name: MERCON V AUTOMATIC TRANSMISSION FLUID

FIR No. 157262

Version Number: US-US-1

Level: 1

Release Date: 2004-07-30

Attachment

Product Code	Container Size	Part of Kit	Kit Product Code
XT-5-5QM	5 qt		
XT-5-BM	Bulk		
XT-5-DMC	55 U.S. gal		
XT-5-QMC	1 qt		
XT-5-RM	Rail Car		
XT-5-TM	275 U.S. gal		