

THE FLUID TRANS

NOTES

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 001
Date Prepared: 01/14/02
Date Printed: 05/01/02
MSDS No: 505.0102925-008.012

AUTOMATIC TRANSMISSION FLUID TYPE FA

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: AUTOMATIC TRANSMISSION FLUID TYPE FA
SAP Material No: VV338
General or Generic ID: PETROLEUM BASED-LUBRICATING OIL

Company
Telephone Numbers
Emergency: 1-800-274-5263
Information: 1-859-357-7206
Lexington, KY 40512

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ALIPHATIC PETROLEUM DISTILLATES	64742-65-0	87.0 - 97.0
AUTOMATIC TRANSMISSION FLUID PACKAGE		3.3 - 13.0

3. HAZARDS IDENTIFICATION

Potential Health Effects
Eye
Unlikely to cause eye irritation or injury.
Skin
May cause mild skin irritation. Prolonged or repeated contact may dry and crack the skin.
Swallowing
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

NOL75205

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 002

Date Prepared: 01/14/02

Date Printed: 05/01/02

MSDS No: 505.0102925-008.012

AUTOMATIC TRANSMISSION FLUID TYPE FA

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).
Symptoms of Exposure
stomach or intestinal upset (nausea, vomiting, diarrhea),
irritation (nose, throat, airways), pain in the abdomen.
Target Organ Effects
No data
Developmental Information
No data
Cancer Information
No data
Other Health Effects
No data
Primary Route(s) of Entry
No data

4. FIRST AID MEASURES

Eyes
If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
Skin
Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

NOTES

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 003

Date Prepared: 01/14/02

Date Printed: 05/01/02

MSDS No: 505.0102925-008.012

AUTOMATIC TRANSMISSION FLUID TYPE FA

Swallowing

Do not induce vomiting. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim unattended.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physicians

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin.

5. FIRE FIGHTING MEASURES

Flash Point

457.0 F (236.1 C) COC

Explosive Limit

No data

Autoignition Temperature

No data

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.

e and Explosion Hazards

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Dense smoke may be generated while burning.

Extinguishing Media

regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health - 1, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

AUTOMATIC TRANSMISSION FLUID TYPE FA

Storage

Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection
 Not required under normal conditions of use. However, if misting or splashing conditions exist, then safety glasses or chemical splash goggles are advised.

Skin Protection
 Not normally required. However, wear resistant gloves such as nitrile rubber to prevent skin contact with product., Wear normal work clothing covering arms and legs..

Respiratory Protections
 Not required under normal conditions of use. However, if oil mists are generated above recommended PEL/TLV of 5 mg/m³, then a NIOSH/MSHA approved respirator is advised in absence of proper environmental control. (See your industrial hygienist.)

Engineering Controls
 Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV (s).

Exposure Guidelines
 Component

ALIPHATIC PETROLEUM DISTILLATES (64742-65-0)
 OSHA PEL 5.000 mg/m³ - TWA Oil Mist
 ACGIH TLV 5.000 mg/m³ - TWA Oil Mist
 AUTOMATIC TRANSMISSION FLUID PACKAGE
 No exposure limits established

The Valvoline Company

MATERIAL SAFETY DATA SHEET

Page 006
Date Prepared: 01/14/02
Date Printed: 05/01/02
MSDS No: 505.0102925-008.012

AUTOMATIC TRANSMISSION FLUID TYPE FA

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point
No data
Vapor Pressure
No data
Specific Vapor Density
No data
Specific Gravity
.870 @ 60.00 F
Liquid Density
7.250 lbs/gal @ 60.00 F
.870 kg/l @ 15.60 C
Percent Volatiles (Including Water)
No data
Evaporation Rate
SLOWER THAN ETHYL ETHER
Appearance
No data
State
LIQUID
Physical Form
No data
Color
RED

The Valvoline Company

MATERIAL SAFETY DATA SHEET

Page 007
Date Prepared: 01/14/02
Date Printed: 05/01/02
MSDS No: 505.0102925-008.012

AUTOMATIC TRANSMISSION FLUID TYPE FA

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polymerization.
Hazardous Decomposition
May form: carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.
Chemical Stability
Stable.
Incompatibility
Avoid contact with: strong oxidizing agents.

TOXICOLOGICAL INFORMATION

No data

The Valvoline Company
MATERIAL SAFETY DATA SHEET
Page 008
Date Prepared: 01/14/02
Date Printed: 05/01/02
MSDS No: 505.0102925-008.012

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information
Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

Not Regulated

Container/Mode:

CASES/SURFACE - NO EXCEPTIONS

NOS Component:

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Page 009

Date Prepared: 01/14/02

Date Printed: 05/01/02

MSDS No: 505.0102925-008.012

AUTOMATIC TRANSMISSION FLUID TYPE FA

CERCLA RQ - 40 CFR 302.4

None

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed() Fire() Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.65

None

International Regulations

Inventory Status

Not determined

State and Local Regulations

California Proposition 65

None

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

NOL75205

circumstances.