

# ASHLAND®

## SAFETY DATA SHEET

Page: 1

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone number	1-800-ASHLAND (1-800-274-5263)
Product name	Valvoline™ TYPE F AUTOMATIC TRANSMISSION FLUID	
Product code	822387	

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance: liquid, red

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. MAY CAUSE EYE IRRITATION.

#### Potential Health Effects

##### **Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

##### **Eye contact**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

##### **Skin contact**

May cause slight skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

##### **Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

##### **Inhalation**

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

##### **Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, lung (for example, asthma-like conditions)

##### **Symptoms**

# ASHLAND®

## SAFETY DATA SHEET

Page: 2

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: acne, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

### Target Organs

No data

### Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

### Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No. / Trade Secret No.	Concentration
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=90-<=100%
MINERAL OIL		>=5-<10%
METHACRYLATE COPOLYMER		>=1.5-<5%

## 4. FIRST AID MEASURES

### Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

### Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

### Notes to physician

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

**Hazards:** Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

**Treatment:** No hazards which require special first aid measures.

### 5. FIREFIGHTING MEASURES

#### Suitable extinguishing media

Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray

#### Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons

#### Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

#### NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

#### Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

#### Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

#### Other information

Comply with all applicable federal, state, and local regulations.

### 7. HANDLING AND STORAGE

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

### 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.

### Storage

Store in a cool, dry, ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### MINERAL OIL

NIOSH	Recommended exposure limit (REL):	5 mg/m <sup>3</sup>	Mist.
NIOSH	Short term exposure limit	10 mg/m <sup>3</sup>	Mist.
OSHA Z1	Permissible exposure limit	5 mg/m <sup>3</sup>	Mist.
ACGIH	time weighted average	5 mg/m <sup>3</sup>	Inhalable fraction.

### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

### Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

### Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

### Respiratory protection

Respiratory protection is not required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

# ASHLAND®

## SAFETY DATA SHEET

Page: 5

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

<b>Physical state</b>	liquid
<b>Colour</b>	red
<b>Odour</b>	hydrocarbon-like
<b>Flash point</b>	> 390 °F / > 199 °C Cleveland open cup
<b>Evaporation rate</b>	(>)1 Ethyl Ether
<b>Lower explosion limit/Upper explosion limit</b>	1 %(V) / 6 %(V)
<b>Vapour pressure</b>	0.013 hPa @ 70.00 °F / 21.11 °C Calculated Vapor Pressure
<b>Density</b>	0.8750 g/cm3 @ 60.01 °F / 15.56 °C 7.25 lb/gal @ 60.1 °F / 15.6 °C

### 10. STABILITY AND REACTIVITY

#### Stability

Stable.

#### Conditions to avoid

None known.

#### Incompatible products

Strong oxidizing agents

#### Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons

#### Hazardous reactions

Product will not undergo hazardous polymerization.

### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation  
Skin absorption  
Skin contact  
Eye Contact  
Ingestion

#### Product

Acute oral toxicity : no data available

Acute inhalation toxicity : no data available

# ASHLAND®

## SAFETY DATA SHEET

Page: 6

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

Acute dermal toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye  
irritation : no data available

Respiratory or skin sensitisation : no data available

### Components:

#### **HEAVY PARAFFINIC DISTILLATE:**

Acute oral toxicity : LD 50 Rat: > 15 g/kg

Acute dermal toxicity : LD 50 Rabbit: > 5 g/kg

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

no data available

#### **Components:**

#### **HEAVY PARAFFINIC DISTILLATE:**

Toxicity to fish : LL50 (Fish): > 100 mg/l

Toxicity to daphnia and other  
aquatic invertebrates : EL50 (Aquatic invertebrates): > 10,000 mg/l

Toxicity to algae : EL50 (Algae, algal mat (Algae)): > 100 mg/l

Toxicity to fish (Chronic toxicity) : NOEC: 10 mg/l  
Species: Fish

Toxicity to daphnia and other  
aquatic invertebrates (Chronic  
toxicity) : NOEC: 10 mg/l  
Species: Aquatic invertebrates

### **Persistence and degradability**

#### **Product:**

# ASHLAND®

## SAFETY DATA SHEET

Page: 7

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

no data available

**Components:**

no data available

**Bioaccumulative potential**

**Product:**

no data available

**Components:**

**HEAVY PARAFFINIC DISTILLATE:**

Partition coefficient: n- : log Pow: Expected > 7  
octanol/water

**Mobility in soil**

**Product:**

no data available

**Components:**

no data available

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

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

**14. TRANSPORT INFORMATION**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

**U.S. DOT - ROAD**

Not dangerous goods

**U.S. DOT - RAIL**

Not dangerous goods

**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods

# ASHLAND®

## SAFETY DATA SHEET

Page: 8

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

### TRANSPORT CANADA - ROAD

Not dangerous goods

### TRANSPORT CANADA - RAIL

Not dangerous goods

### TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

### MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

## 15. REGULATORY INFORMATION

### California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

### SARA Hazard Classification

### SARA 311/312 Classification

No SARA Hazards

### SARA 313 Component(s)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### New Jersey RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
MINERAL OIL	
METHACRYLATE COPOLYMER	

### Pennsylvania RTK Label Information

# ASHLAND®

## SAFETY DATA SHEET

Page: 9

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

HEAVY PARAFFINIC DISTILLATE	64742-54-7
MINERAL OIL	

### Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Japan. ENCS - Existing and New Chemical Substances Inventory	y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

	HMIS	NFPA
Health	1	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

### 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. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

# ASHLAND®

## SAFETY DATA SHEET

Page: 10

Revision Date: 07/30/2013

Print Date: 1/4/2015

MSDS Number: R0102925

Version: 1.18

Valvoline™ TYPE F AUTOMATIC TRANSMISSION  
FLUID  
822387

LD<sub>xx</sub> : Lethal Dose, for xx percent of test population.  
IC<sub>xx</sub> : Inhibitory Concentration for xx of a substance  
EC<sub>xx</sub> : Effective Concentration of xx  
N.O.S.: Not Otherwise Specified  
OECD : Organization for Economic Co-operation and Development  
OEL : Occupational Exposure Limit  
P-Statement : Precautionary Statement  
PBT : Persistent , Bioaccumulative and Toxic  
PPE : Personal Protective Equipment  
STEL : Short-term exposure limit  
STOT : Specific Target Organ Toxicity  
TLV : Threshold Limit Value  
TWA : Time-weighted average  
vPvB : Very Persistent and Very Bioaccumulative  
WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act  
DOT : Department of Transportation  
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act  
HMIRC : Hazardous Materials Information Review Commission  
HMIS : Hazardous Materials Identification System  
NFPA : National Fire Protection Association  
NIOSH : National Institute for Occupational Safety and Health  
OSHA : Occupational Safety and Health Administration  
PMRA : Health Canada Pest Management Regulatory Agency  
RTK : Right to Know  
WHMIS : Workplace Hazardous Materials Information System