

ADVANTAGE™ 5000 MULTIPURPOSE  
AUTOMATIC TRANSMISSION FLUID  
AL512

**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	1-800-ASHLAND (1-800-274-5263)
Product name	ADVANTAGE™ 5000 MULTIPURPOSE AUTOMATIC TRANSMISSION FLUID	
Product code	AL512	
Product Use Description	No data	

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid,, red

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

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin contact, Eye Contact, Ingestion

**Eye contact**

Unlikely to cause eye irritation or injury.

**Skin contact**

Unlikely to cause skin irritation or injury. Prolonged or repeated contact may dry and crack the skin.

**Ingestion**

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

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**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**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: 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**

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=40-<50%
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	>=40-<50%

**4. FIRST AID MEASURES**

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### **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.

### **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**

**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 information available.

## **5. FIRE-FIGHTING MEASURES**

### **Suitable extinguishing media**

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

### **Hazardous combustion products**

Hydrocarbons, carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus

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**Precautions for fire-fighting**

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. 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.

**NFPA Flammable and Combustible Liquids Classification**

Combustible Liquid Class IIIB

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

For personal protection see section 8. Spills of this material are very slippery.

**Environmental precautions**

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.

**Methods for cleaning up**

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.

**Other information**

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

**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.

**Storage**

Store in a cool, dry, ventilated area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8

ACGIH	time weighted average	5 mg/m <sup>3</sup>	Mist.
ACGIH	Short term exposure limit	10 mg/m <sup>3</sup>	Mist.
ACGIH NIC	time weighted average	0.2 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

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, 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

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

### Skin and body protection

Not normally required. However, wear resistant gloves such as nitrile rubber to prevent irritation which may result from prolonged or repeated skin contact with product. 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.

### Respiratory protection

Respiratory protection is not required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical state</b>	liquid
<b>Form</b>	No data
<b>Colour</b>	red
<b>Odour</b>	hydrocarbon-like
<b>Boiling point/boiling range</b>	No data
<b>pH</b>	No data
<b>Flash point</b>	(>) 199.00 °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 @ 21.11 °C Calculated Vapor Pressure
<b>Vapour density</b>	No data
<b>Density</b>	0.862 g/cm <sup>3</sup> @ 60.01 °F / 15.56 °C 7.29 lb/gal @ 60.00 °F / 15.56 °C
<b>Solubility</b>	No data
<b>Partition coefficient: n-octanol/water</b>	No data
<b>log Pow</b>	no data available
<b>Autoignition temperature</b>	No data

## 10. STABILITY AND REACTIVITY

### Stability

Stable

### Conditions to avoid

None known.

### Incompatible products

Avoid contact with:, Strong oxidizing agents

### Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons, oxides of sulfur, nitrogen and phosphorus

### Hazardous reactions

Product will not undergo hazardous polymerization.

### Thermal decomposition

No data

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## 11. TOXICOLOGICAL INFORMATION

### Acute oral toxicity

HEAVY PARAFFINIC DISTILLATE : LD 50 Rat: > 15 g/kg  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

### Acute inhalation toxicity

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

### Acute dermal toxicity

HEAVY PARAFFINIC DISTILLATE : LD 50 Rabbit: > 5 g/kg  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

## 12. ECOLOGICAL INFORMATION

### Biodegradability

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

### Bioaccumulation

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

### Ecotoxicity effects

#### Toxicity to fish

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

#### Toxicity to daphnia and other aquatic invertebrates.

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC  
DISTILLATE : no data available

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**Toxicity to algae**

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE : no data available

**Toxicity to bacteria**

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE : no data available

**Biochemical Oxygen Demand (BOD)**

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE : no data available

**Chemical Oxygen Demand (COD)**

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE : no data available

**Additional ecological information**

HEAVY PARAFFINIC DISTILLATE : no data available  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE : no data available

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

**14. TRANSPORT INFORMATION**

**REGULATION**

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

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

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

**TRANSPORT CANADA - INLAND WATERWAYS**

Not dangerous goods

**TRANSPORT CANADA - RAIL**

Not dangerous goods

**TRANSPORT CANADA - ROAD**

Not dangerous goods

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

Not dangerous goods

**U.S. DOT - RAIL**

Not dangerous goods

**U.S. DOT - ROAD**

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**

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**California Prop. 65**

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

**SARA Hazard Classification**

No SARA Hazards

**New Jersey RTK Label Information**

HEAVY PARAFFINIC DISTILLATE 64742-54-7  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8

**Pennsylvania RTK Label Information**

HEAVY PARAFFINIC DISTILLATE 64742-54-7  
HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8

**Notification status**

EU. EINECS y (positive listing)  
US. Toxic Substances Control Act y (positive listing)  
Australia. Industrial Chemical (Notification and Assessment) Act y (positive listing)  
Canada. Canadian Environmental Protection Act (CEPA). y (positive listing)  
Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)  
Japan. Kashin-Hou Law List 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)  
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand y (positive listing)

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

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## **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).