

ALL-FLEET® PLUS SAE 15W-40 DIESEL  
ENGINE OIL

® Registered Trademark, Ashland or its  
subsidiaries VV387

## 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	ALL-FLEET® PLUS SAE 15W-40 DIESEL ENGINE OIL	
	® Registered Trademark, Ashland or its subsidiaries	
Product code	VV387	
Product Use Description	No data	

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance: liquid, amber

WARNING! CAUSES EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS. MAY BE HARMFUL IF SWALLOWED.

### Potential Health Effects

#### **Exposure routes**

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

#### **Eye contact**

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

#### **Skin contact**

May cause mild skin irritation. Symptoms may include redness and burning of skin. 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.

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subsidiaries VV387**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**

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). Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

**Reproductive hazard**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=80-<90%
ZINC COMPOUNDS	68649-42-3	>=1.5-<5%

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#### **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**

**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**

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**Suitable extinguishing media**

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

**Hazardous combustion products**

carbon dioxide and carbon monoxide, Hydrocarbons, hydrogen sulfide, zinc oxide, oxides of sulfur, nitrogen and phosphorus, Amines

**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

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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**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.

<b>7. HANDLING AND STORAGE</b>
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**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****HYDROTREATED PARAFFINIC DISTILLATE,  
DEWAXED**

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. Maintain eye wash station near work area.

**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

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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**

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid
<b>Form</b>	no data available
<b>Colour</b>	amber
<b>Odour</b>	hydrocarbon-like
<b>Boiling point/boiling range</b>	no data available
<b>Melting point/range</b>	no data available
<b>Sublimation point</b>	no data available
<b>pH</b>	no data available
<b>Flash point</b>	(>)390 °F / 199 °C Cleveland open cup
<b>Ignition temperature</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Lower explosion limit/Upper explosion limit</b>	1 %(V) / 6 %(V)
<b>Particle size</b>	no data available
<b>Vapour pressure</b>	0.013 hPa @ 70.00 °F / 21.11 °C Calculated Vapor Pressure
<b>Relative vapour density</b>	no data available
<b>Density</b>	0.880 g/cm <sup>3</sup> @ 60.1 °F / 15.6 °C 7.4 lb/gal @ 60.1 °F / 15.6 °C
<b>Bulk density</b>	No data
<b>Water solubility</b>	negligible
<b>Solubility(ies)</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>log Pow</b>	no data available
<b>Autoignition temperature</b>	no data available

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<b>Viscosity, dynamic</b>	no data available
<b>Viscosity, kinematic</b>	no data available
<b>Solids in Solution</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Burning number</b>	no data available
<b>Dust explosion constant</b>	no data available
<b>Minimum ignition energy</b>	no data available

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

excessive heat

### Incompatible products

Strong oxidizing agents

### Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons

### Hazardous reactions

Product will not undergo hazardous polymerization.

### Thermal decomposition

No data

## 11. TOXICOLOGICAL INFORMATION

### Acute oral toxicity

HEAVY PARAFFINIC DISTILLATE

: LD 50 Rat: > 15 g/kg

ZINC COMPOUNDS

: LD 50 Rat: 2,000 - 5,000 mg/kg

### Acute inhalation toxicity

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HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Acute dermal toxicity**

HEAVY PARAFFINIC DISTILLATE : LD 50 Rabbit: > 5 g/kg

ZINC COMPOUNDS : LD 50 Rabbit: > 2,000 mg/kg

<b>12. ECOLOGICAL INFORMATION</b>
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**Biodegradability**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Bioaccumulation**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Ecotoxicity effects**

**Toxicity to fish**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

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

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Toxicity to algae**



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HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Toxicity to bacteria**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Biochemical Oxygen Demand (BOD)**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Chemical Oxygen Demand (COD)**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

**Additional ecological information**

HEAVY PARAFFINIC DISTILLATE : no data available

ZINC COMPOUNDS : no data available

<b>13. DISPOSAL CONSIDERATIONS</b>
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**Waste disposal methods**

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.

<b>14. TRANSPORT INFORMATION</b>
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**REGULATION**

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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.

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## 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

Acute Health Hazard

### SARA 313 Component(s)

ZINC COMPOUNDS 1.59 %

### New Jersey RTK Label Information

HEAVY PARAFFINIC DISTILLATE 64742-54-7

LUBRICANT ADDITIVE

HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED

ZINC COMPOUNDS

ZINC COMPOUNDS 68649-42-3

### Pennsylvania RTK Label Information

HEAVY PARAFFINIC DISTILLATE 64742-54-7

LUBRICANT ADDITIVE

HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED

### Notification status

US. Toxic Substances Control Act y (positive listing)

Canada. Canadian Environmental Protection Act (CEPA). y (positive listing)

Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)

Australia. Industrial Chemical (Notification and Assessment) y (positive listing)

Act

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand n (Negative listing)

Japan. Kashin-Hou Law List n (Negative listing)

Korea. Toxic Chemical Control Law (TCCL) List y (positive listing)

Philippines. The Toxic Substances and Hazardous and Nuclear y (positive listing)

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Waste Control Act

China. Inventory of Existing Chemical Substances

y (positive listing)

**Reportable quantity - Product**

US. EPA CERCLA Hazardous Substances (40 CFR 302)

66666 lbs

**Reportable quantity-Components**

ARSENIC

7440-38-2

1 lbs

	HMIS	NFPA
Health	2	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).