

PREMIUM BLUE® HEAVY DUTY DIESEL  
SAE 15W-40 ENGINE OIL  
VV70509

## 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	PREMIUM BLUE® HEAVY DUTY DIESEL SAE 15W-40 ENGINE OIL	
Product code	VV70509	
Product Use Description	No data	

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance: liquid, amber

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

### Potential Health Effects

#### **Exposure routes**

Inhalation, Skin contact, Eye Contact, Ingestion

#### **Eye contact**

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

#### **Skin contact**

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

#### **Ingestion**

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

PREMIUM BLUE® HEAVY DUTY DIESEL  
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VV70509**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). 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**

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	>=70-<80%
Distillates (Petroleum), Hydrotreated Heavy Paraffinic	64742-54-7	>=10-<15%
ZINC COMPOUNDS	68649-42-3	>=1.5-<5%

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#### **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.

##### **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**

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

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**Hazardous combustion products**

carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons

**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

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

Notify the proper authorities as required that a spill has occurred. Comply with all applicable federal, state, and local regulations.

<b>7. HANDLING AND STORAGE</b>
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**Handling**

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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, away from incompatible substances.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

## AROMATIC HYDROCARBON

OSHA Z1	Permissible exposure limit	500 ppm	
OSHA Z1	Permissible exposure limit	2,000 mg/m3	
OSHA Z1A	time weighted average	400 ppm	
OSHA Z1A	time weighted average	1,600 mg/m3	
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	400 ppm	
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,600 mg/m3	
ACGIH	time weighted average	5 mg/m3	Mist.
ACGIH	Short term exposure limit	10 mg/m3	Mist.
ACGIH NIC	time weighted average	0.2 mg/m3	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**

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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**

<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>	(>)424.9 °F / 218.3 °C
<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>	(>)199.00 °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>	0.8744 g/cm <sup>3</sup> @ 60.01 °F / 15.56 °C
<b>Bulk density</b>	7.27 lb/gal @ 60.1 °F / 15.6 °C
<b>Water solubility</b>	insoluble
<b>Solubility</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

None known.

### Incompatible products

Strong oxidizing agents

### Hazardous decomposition products

carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons

### Hazardous reactions

No data

### Thermal decomposition

No data

## 11. TOXICOLOGICAL INFORMATION

### Acute oral toxicity

HEAVY PARAFFINIC DISTILLATE : LD 50 Rat: > 15 g/kg

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : LD 50 Rat: > 15 g/kg

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

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**Acute inhalation toxicity**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Acute dermal toxicity**

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

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : 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

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Bioaccumulation**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Ecotoxicity effects**

**Toxicity to fish**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available



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ZINC COMPOUNDS : no data available

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

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Toxicity to algae**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Toxicity to bacteria**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Biochemical Oxygen Demand (BOD)**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

**Chemical Oxygen Demand (COD)**

HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : no data available

PREMIUM BLUE® HEAVY DUTY DIESEL  
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HEAVY PARAFFINIC DISTILLATE : no data available

Distillates (Petroleum), Hydrotreated Heavy Paraffinic : no data available

ZINC COMPOUNDS : 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**

# ASHLAND

## SAFETY DATA SHEET

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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

### 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

Acute Health Hazard

### SARA 313 Component(s)

ZINC COMPOUNDS 1.59 %

### New Jersey RTK Label Information

HEAVY PARAFFINIC DISTILLATE 64742-54-7

LUBRICANT ADDITIVE

Distillates (Petroleum), Hydrotreated Heavy Paraffinic 64742-54-7

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AROMATIC HYDROCARBON  
ZINC COMPOUNDS  
ZINC COMPOUNDS

68649-42-3

**Pennsylvania RTK Label Information**

HEAVY PARAFFINIC DISTILLATE  
LUBRICANT ADDITIVE

64742-54-7

Distillates (Petroleum), Hydrotreated Heavy Paraffinic  
AROMATIC HYDROCARBON

64742-54-7

**Notification status**

US. Toxic Substances Control Act  
Canada. Canadian Environmental Protection Act (CEPA).  
Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)  
Australia. Industrial Chemical (Notification and Assessment)  
Act  
New Zealand. Inventory of Chemicals (NZIoC), as published  
by ERMA New Zealand  
Japan. Kashin-Hou Law List  
Korea. Toxic Chemical Control Law (TCCL) List  
Philippines. The Toxic Substances and Hazardous and Nuclear  
Waste Control Act  
China. Inventory of Existing Chemical Substances

y (positive listing)  
y (positive listing)  
y (positive listing)  
n (Negative listing)  
n (Negative listing)  
y (positive listing)  
n (Negative listing)  
y (positive listing)

**Reportable quantity - Product**

US. EPA CERCLA Hazardous Substances (40 CFR 302)

62500 lbs

**Reportable quantity-Components**

ARSENIC

7440-38-2

1 lbs

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

**16. OTHER INFORMATION**

**ASHLAND**  
**SAFETY DATA SHEET**

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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).