

SAFETY DATA SHEET

Revision Date: 06/23/2016

Print Date: 6/23/2016

SDS Number: R0306034

Version: 2.6

Premium Blue™ 15W40 DIESEL ENGINE OIL

786820

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	Premium Blue™ 15W40 DIESEL ENGINE OIL	
Product code	786820	

2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance: liquid, amber

CAUSES EYE IRRITATION. CAUSES SEVERE EYE BURNS. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE DERMATITIS AND BURNS. MAY BE HARMFUL IF SWALLOWED.

Potential Health Effects**Exposure routes**

Inhalation, Skin contact, Eye Contact, Ingestion

Eye contact

Unlikely to cause eye irritation or injury.

Skin contact

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage.

Ingestion

Swallowing this material is not likely to 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

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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. 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. 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
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	>=5-<10%
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	>=1.5-<5%
ZINC DIALKYL DITHIOPHOSPHATE	93819-94-4	>=1-<1.5%

Hazardous Components	CAS-No. / Trade Secret No.	Concentration
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4. FIRST AID MEASURES

General Information

Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

Eyes

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Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

Skin

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Ingestion

Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation

If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

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. lipid 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**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment., Water spray, Foam, Carbon dioxide (CO₂), Dry chemical

Unsuitable extinguishing media

High volume water jet

Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons, hydrogen sulfide, zinc oxide, Sulphur oxides, mercaptans

Precautions for fire-fighting

Do not allow run-off from fire fighting to enter drains or water courses. In the event of fire, wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions

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

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up

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

Other information

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

7. HANDLING AND STORAGE

Handling

Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED		64742-65-0	
HEAVY PARAFFINIC			
OEL (QUE)	time weighted average	5 mg/m ³	Mist.
OEL (QUE)	Short term exposure limit	10 mg/m ³	Mist.
CAD AB OEL	time weighted average	5 mg/m ³	Mist.
CAD AB OEL	Short term exposure limit	10 mg/m ³	Mist.
CAD BC OEL	time weighted average	0.2 mg/m ³	Mist.
CAD ON OEL	time weighted average	5 mg/m ³	Mist.
CAD ON OEL	Short term exposure limit	10 mg/m ³	Mist.
HYDROTREATED LIGHT PARAFFINIC DISTILLATE		64742-55-8	
OEL (QUE)	time weighted average	5 mg/m ³	Mist.
OEL (QUE)	Short term exposure limit	10 mg/m ³	Mist.
CAD AB OEL	time weighted average	5 mg/m ³	Mist.

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CAD AB OEL	Short term exposure limit	10 mg/m3	Mist.
CAD BC OEL	time weighted average	0.2 mg/m3	Mist.
CAD ON OEL	time weighted average	5 mg/m3	Mist.
CAD ON OEL	Short term exposure limit	10 mg/m3	Mist.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED 64742-65-0 HEAVY PARAFFINIC

OEL (QUE)	time weighted average	5 mg/m3	Mist.
OEL (QUE)	Short term exposure limit	10 mg/m3	Mist.
CAD AB OEL	time weighted average	5 mg/m3	Mist.
CAD AB OEL	Short term exposure limit	10 mg/m3	Mist.
CAD BC OEL	time weighted average	0.2 mg/m3	Mist.
CAD ON OEL	time weighted average	5 mg/m3	Mist.
CAD ON OEL	Short term exposure limit	10 mg/m3	Mist.

HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8

OEL (QUE)	time weighted average	5 mg/m3	Mist.
OEL (QUE)	Short term exposure limit	10 mg/m3	Mist.
CAD AB OEL	time weighted average	5 mg/m3	Mist.
CAD AB OEL	Short term exposure limit	10 mg/m3	Mist.
CAD BC OEL	time weighted average	0.2 mg/m3	Mist.
CAD ON OEL	time weighted average	5 mg/m3	Mist.
CAD ON OEL	Short term exposure limit	10 mg/m3	Mist.

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.

Wash hands before breaks and at the end of workday.

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

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

Wear as appropriate:

Impervious clothing

Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

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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

Physical state	liquid
Colour	amber
Odour	hydrocarbon-like
Boiling point/boiling range	(>)424.9 °F / 218.3 °C
pH	No data available
Flash point	> 390 °F / > 199 °C Cleveland open cup
Evaporation rate	No data available
Lower explosion limit/Upper explosion limit	1 %(V) / 6 %(V)
Vapour pressure	0.013 hPa @ 70.00 °F / 21.11 °C Calculated Vapor Pressure
Density	0.880 g/cm ³ @ 60.01 °F / 15.56 °C
Water solubility	insoluble
Solubility(ies)	No data available
Auto-ignition temperature	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	115 mm ² /s @ 40 °C
Decomposition temperature	No data available

10. STABILITY AND REACTIVITY**Stability**

Stable under recommended storage conditions.

Conditions to avoid

excessive heat

Incompatible products

Strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons, hydrogen sulfide, Sulphur oxides, zinc oxide fumes, mercaptans

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Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data available

11. TOXICOLOGICAL INFORMATION

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

Product

Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : Unlikely to cause eye irritation or injury.

Respiratory or skin sensitisation : No data available

Aspiration toxicity : No aspiration toxicity classification

Further information : No data available

Components:

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Acute oral toxicity : LD 50 Rat: > 5,000 mg/kg

Acute dermal toxicity : LD 50 Rabbit: > 5,000 mg/kg

Aspiration toxicity : May be fatal if swallowed and enters airways.

ZINC DIALKYL DITHIOPHOSPHATE:

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Acute oral toxicity : LD 50 Rat: 2,600 mg/kg

Acute dermal toxicity : LD50 Rabbit: > 3,160 mg/kg
Method: OECD Test Guideline 402
Not classified as acutely toxic by dermal absorption under GHS.

Germ cell mutagenicity

Genotoxicity in vitro : Type: Ames test
Test species: Salmonella typhimurium
with and without metabolic activation
Result: negative
Method: OECD Test Guideline 471
Information given is based on data obtained from similar
substances.

Genotoxicity in vivo : Type: Micronucleus test
Test species: Mouse
Method: OECD Test Guideline 474
Result: negative
Information given is based on data obtained from
similar substances.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Acute oral toxicity : LD 50 Rat: > 5,000 mg/kg

Acute dermal toxicity : LD 50 Rabbit: > 5,000 mg/kg

Aspiration toxicity : May be fatal if swallowed and enters airways.

ZINC DIALKYL DITHIOPHOSPHATE:

Acute oral toxicity : LD 50 Rat: 2,600 mg/kg

Acute dermal toxicity : LD50 Rabbit: > 3,160 mg/kg
Method: OECD Test Guideline 402
Not classified as acutely toxic by dermal absorption under GHS.

Germ cell mutagenicity

Genotoxicity in vitro : Type: Ames test
Test species: Salmonella typhimurium
with and without metabolic activation
Result: negative
Method: OECD Test Guideline 471
Information given is based on data obtained from similar
substances.

Genotoxicity in vivo : Type: Micronucleus test

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Test species: Mouse
Method: OECD Test Guideline 474
Result: negative
Information given is based on data obtained from similar substances.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

No data available

Components:**ZINC DIALKYL DITHIOPHOSPHATE:**

- Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l
Exposure time: 96 h
Test Method: semi-static test
- Toxicity to daphnia and other aquatic invertebrates : EC 50 (Water flea (Daphnia magna)): 5.4 mg/l
Exposure time: 48 h
Test Method: static test
- Toxicity to algae : EC 50 (Selenastrum capricornutum (green algae)): 2.1 mg/l
Exposure time: 72 h
Test Method: static test
- :
- Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l
Exposure time: 96 h
Test Method: semi-static test
- Toxicity to daphnia and other aquatic invertebrates : EC 50 (Water flea (Daphnia magna)): 5.4 mg/l
Exposure time: 48 h
Test Method: static test
- Toxicity to algae : EC 50 (Selenastrum capricornutum (green algae)): 2.1 mg/l
Exposure time: 72 h
Test Method: static test

Persistence and degradability**Product:**

No data available

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Components:

ZINC DIALKYLDITHIOPHOSPHATE:

Biodegradability : Result: Not readily biodegradable.
 Biodegradation: 1.5 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301B

:

Biodegradability : Result: Not readily biodegradable.
 Biodegradation: 1.5 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301B

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water : No data available

Components:

ZINC DIALKYLDITHIOPHOSPHATE:

Partition coefficient: n-octanol/water : log Pow: 0.59 - 1.2 (23 °C)

:

Partition coefficient: n-octanol/water : log Pow: 0.59 - 1.2 (23 °C)

Mobility in soil

Product:

No data available

Components:

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

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Waste disposal methods

The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with all applicable local, state and federal regulations.

Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

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

CFR_RAIL_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_INWT_C

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

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Not dangerous goods

MX_DG

Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

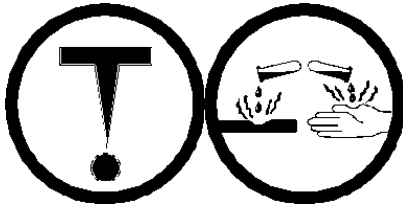
Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

WHMIS Classification

D2B Toxic Material Causing Other Toxic Effects

E Corrosive Material



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Canadian National Pollutant Release Inventory (NPRI)

ZINC DIALKYL DITHIOPHOSPHATE

1.08 %

ZINC DIALKYL DITHIOPHOSPHATE

1.08 %

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. 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 Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

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	HMIS	NFPA
Health	2	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

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

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : 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

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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