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## **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Trade name : Premium Blue™ Heavy Duty Diesel SAE 15W-40 Engine

Oil

# Relevant identified uses of the substance or mixture and uses advised against

Details of the supplier of the safety data	Emergency telephone number
sheet	+1-800-VALVOLINE (+1-800-825-8654)
Valvoline LLC	
3499 Blazer Parkway	
Lexington, KY 40509	Regulatory Information Number
United States of America (USA)	1-800-TEAMVAL
1-800-TEAMVAL	
	Product Information
	1-800-TEAMVAL
SDS@valvoline.com	

#### **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Not a hazardous substance or mixture.

**GHS** label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

No information available.

# **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components** 

Chemical name	CAS-No.	Classification	Concentration (%)
PETROLEUM DISTILLATES	64742-65-0	Not a hazardous substance or mixture.	>= 1.00 - < 10.00
Reaction products of Benzeneamine, N-phenyl- with nonene (branched)	36878-20-3	3; H316 Aquatic Chronic 4; H413	>= 1.00 - < 10.00

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ORGANIC ACID ESTER	125643-61-0	Aquatic Chronic 4; H413	>= 1.00 - < 10.00
PETROLEUM DISTILLATES	64742-55-8	Asp. Tox. 1; H304	>= 1.00 - < 10.00
ZINC DIALKYLDITHIOPHOSPHATE	93819-94-4	Acute Tox. 5; H303 2; H315 1; H318 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	>= 1.00 - < 10.00
LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX		Acute Tox. 5; H303 2; H315 Skin Sens. 1B; H317 Aquatic Acute 3; H402 Aquatic Chronic 3; H412	>= 0.10 - < 1.00
C14-16-18 Alkyl phenol		Skin Sens. 1B; H317 STOT RE 2; H373	>= 0.10 - < 1.00

# **SECTION 4. FIRST AID MEASURES**

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General advice : No hazards which require special first aid measures.

If inhaled If breathed in, move person into fresh air.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is

recommended that exposed areas be cleaned by washing

with soap and water.

In case of eye contact : Remove contact lenses.

Protect unharmed eye.

If swallowed : Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

: 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.

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)

: No hazards which require special first aid measures. Notes to physician

#### **SECTION 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

Specific hazards during : Do not allow run-off from fire fighting to enter drains or water

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firefighting courses.

Hazardous combustion

products

carbon dioxide and carbon monoxide

Hydrocarbons

nitrogen oxides (NOx)

zinc oxide Sulphur oxides hydrogen sulfide mercaptans

Specific extinguishing

methods

: Product is compatible with standard fire-fighting agents.

Standard procedure for chemical fires.

Special protective equipment

for firefighters

: In the event of fire, wear self-contained breathing apparatus.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

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

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and 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.

# **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

Advice on safe handling : Smoking, eating and drinking should be prohibited in the

application area.

For personal protection see section 8.

Materials to avoid : No materials to be especially mentioned.

# **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with workplace control parameters

Components with workp	nace control parame	COLO			
Components	CAS-No.	Value type	Control	Basis	
		(Form of	parameters /		
		exposure)	Permissible		
			concentration		
PETROLEUM DISTILLAT	ES 64742-65-0	CMP (Mist)	5 mg/m3	AR OEL	

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			Mist	
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		CAP (Mist)	5 mg/m3 Mist	VE OEL
		LEB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA (Mist, inhalable)	5 mg/m3 Mist, inhalable	CR OEL
		STEL (Mist)	10 mg/m3 Mist	CR OEL
PETROLEUM DISTILLATES	64742-55-8	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		CAP (Mist)	5 mg/m3 Mist	VE OEL
		LEB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA (Mist, inhalable)	5 mg/m3 Mist, inhalable	CR OEL
		STEL (Mist)	10 mg/m3 Mist	CR OEL

**Engineering measures** 

: 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.

# Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

required.

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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:

Safety shoes

Hygiene measures : General industrial hygiene practice.

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

Physical state : liquid

Colour : amber

Odour : hydrocarbon-like

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : > 218.3 °C

Flash point : > 199 °C

Method: Cleveland open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : 6 %(V)

Calculated Explosive Limit

Lower explosion limit : 1 %(V)

Calculated Explosive Limit

Vapour pressure : 0.0133333 hPa (21.11 °C)

Calculated Vapor Pressure

Relative vapour density : No data available

Relative density : No data available

Density : 0.880 g/cm3 (15.56 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

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Partition coefficient: n-

octanol/water

: No data available

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : 115 mm2/s (40 °C)

Oxidizing properties : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous

reactions

: Product will not undergo hazardous polymerization.

Conditions to avoid : excessive heat

Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products

: carbon dioxide and carbon monoxide

Hydrocarbons hydrogen sulfide Nitrogen oxides (NOx)

Sulphur oxides zinc oxide fumes mercaptans

## **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

Not classified based on available information.

## **Components:**

PETROLEUM DISTILLATES:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

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Assessment: Not classified as acutely toxic by dermal

absorption under GHS.

Remarks: Information given is based on data obtained from

similar substances.

ORGANIC ACID ESTER:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

GLP: yes

Assessment: No adverse effect has been observed in acute

oral toxicity tests.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

GLP: yes

Assessment: No adverse effect has been observed in acute

dermal toxicity tests.

ZINC DIALKYLDITHIOPHOSPHATE:

Acute oral toxicity : LD50 (Rat): 2,600 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg

Method: OECD Test Guideline 402

Assessment: Not classified as acutely toxic by dermal

absorption under GHS.

LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Assessment: No adverse effect has been observed in acute

dermal toxicity tests.

C14-16-18 Alkyl phenol:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Assessment: Not classified as acutely toxic by ingestion under

GHS.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Assessment: Not classified as acutely toxic by dermal

absorption under GHS.

Remarks: No mortality observed at this dose.

Skin corrosion/irritation

Not classified based on available information.

Components:

PETROLEUM DISTILLATES:

Result: Slight, transient irritation

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Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Species: Rabbit

Result: Mild skin irritation

Remarks: Information given is based on data obtained from similar substances.

## ORGANIC ACID ESTER:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

#### PETROLEUM DISTILLATES:

Result: Slight, transient irritation

#### ZINC DIALKYLDITHIOPHOSPHATE:

Species: Guinea pig

Method: OECD Test Guideline 404

Result: Irritating to skin.

Remarks: Information given is based on data obtained from similar substances.

## LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Species: Rabbit

Result: Irritating to skin.

## C14-16-18 Alkyl phenol:

Method: OECD Test Guideline 431

Result: No skin irritation

#### Serious eye damage/eye irritation

Not classified based on available information.

**Product:** 

Remarks: Unlikely to cause eye irritation or injury.

## Components:

## PETROLEUM DISTILLATES:

Result: Slight, transient irritation

# Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Species: Rabbit

Result: Slight, transient irritation

Remarks: Information given is based on data obtained from similar substances.

## ORGANIC ACID ESTER:

Species: Rabbit

Result: No eye irritation

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Method: OECD Test Guideline 405

GLP: yes

## PETROLEUM DISTILLATES:

Result: Slight, transient irritation

#### ZINC DIALKYLDITHIOPHOSPHATE:

Species: Rabbit Result: Corrosive

Remarks: Information given is based on data obtained from similar substances.

#### LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Species: Rabbit

Result: Slight, transient irritation

## C14-16-18 Alkyl phenol:

Species: Rabbit

Result: Slight, transient irritation

# Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

Components:

#### PETROLEUM DISTILLATES:

Test Type: Buehler Test Species: Guinea pig

Assessment: Does not cause skin sensitisation.

## Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

#### ORGANIC ACID ESTER:

Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406 Result: Does not cause skin sensitisation.

GLP: yes

#### LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: The product is a skin sensitiser, sub-category 1B.

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C14-16-18 Alkyl phenol:

Test Type: Local lymph node assay

Species: Mouse

Assessment: The product is a skin sensitiser, sub-category 1B.

Method: OECD Test Guideline 429

Germ cell mutagenicity

Not classified based on available information.

Components:

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

ORGANIC ACID ESTER:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative GLP: yes

: Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative GLP: yes

Genotoxicity in vivo : Test Type: In vivo micronucleus test

Test species: Chinese hamster Method: OECD Test Guideline 474

Result: negative GLP: yes

ZINC DIALKYLDITHIOPHOSPHATE:

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Remarks: Information given is based on data obtained from

similar substances.

Genotoxicity in vivo : Test Type: Micronucleus test

Test species: Mouse

Method: OECD Test Guideline 474

Result: negative

Remarks: Information given is based on data obtained from

similar substances.

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LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

C14-16-18 Alkyl phenol:

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:

ORGANIC ACID ESTER:

Effects on fertility : Species: Mouse

Application Route: Oral

Method: OECD Test Guideline 415

Result: Animal testing did not show any effects on fertility.

GLP: yes

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

**Components:** 

C14-16-18 Alkyl phenol:

Target Organs: Liver

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated

exposure, category 2.

Repeated dose toxicity

**Components:** 

**ORGANIC ACID ESTER:** 

Species: Rat, male and female

NOAEL: 5 mg/kg Application Route: Oral

Method: OECD Test Guideline 407

GLP: yes

**Aspiration toxicity** 

Not classified based on available information.

**Product:** 

No aspiration toxicity classification

Components:

PETROLEUM DISTILLATES:

No aspiration toxicity classification

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#### PETROLEUM DISTILLATES:

May be fatal if swallowed and enters airways.

**Further information** 

**Product:** 

Remarks: No data available

## **SECTION 12. ECOLOGICAL INFORMATION**

# **Ecotoxicity**

# Components:

PETROLEUM DISTILLATES:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Exposure time: 96 h
Test Type: static test
Test substance: WAF

Toxicity to daphnia and other

aquatic invertebrates

: EL50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h
Test Type: static test
Test substance: WAF

Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (algae)): >= 100 mg/l

End point: Growth inhibition

Exposure time: 72 h
Test Type: static test
Test substance: WAF

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l

Exposure time: 96 h
Test Type: static test

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h
Test Type: static test
Test substance: WAF

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (algae)): 600 mg/l

End point: Growth inhibition

Exposure time: 72 h
Test Type: static test

ORGANIC ACID ESTER:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l

Exposure time: 96 h
Test Type: static test

Method: OECD Test Guideline 203

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Toxicity to daphnia and other

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h
Test Type: static test
Test substance: WAF

Method: OECD Test Guideline 202

GLP: yes

Toxicity to algae : EC50 (Desmodesmus subspicatus (Scenedesmus

subspicatus)): > 3 mg/l Exposure time: 72 h Test Type: static test

Method: OECD Test Guideline 201

GLP: yes

Remarks: No toxicity at the limit of solubility

NOEC (Desmodesmus subspicatus (Scenedesmus

subspicatus)): >= 3 mg/l Exposure time: 72 h Test Type: static test

Method: OECD Test Guideline 201

GLP: yes

Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic

toxicity)

: NOEC (Danio rerio (zebra fish)): 0.001 mg/l

Exposure time: 36 d
Test Type: flow-through test
Test substance: WAF

Method: OECD Test Guideline 210

GLP: yes

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC (Daphnia magna (Water flea)): ca. 0.01 mg/l

Exposure time: 21 d
Test Type: semi-static test

Method: OECD Test Guideline 211

GLP: ves

Remarks: No toxicity at the limit of solubility

Toxicity to bacteria : EC50 (activated sludge): > 100 mg/l

Exposure time: 3 h
Test Type: Static

Method: OECD Test Guideline 209

GLP: yes

**Ecotoxicology Assessment** 

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

ZINC DIALKYLDITHIOPHOSPHATE:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l

Exposure time: 96 h
Test Type: semi-static test

Toxicity to daphnia and other : EC50 (Water flea (Daphnia magna)): 5.4 mg/l

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aquatic invertebrates Exposure time: 48 h

Test Type: static test

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 2.1 mg/l

End point: Growth inhibition

Exposure time: 72 h
Test Type: static test

LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 94.8 mg/l

Exposure time: 96 h
Test Type: semi-static test
Test substance: WAF

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EL50 (Daphnia magna (Water flea)): 50 mg/l

Exposure time: 48 h
Test Type: static test
Test substance: WAF

Method: OECD Test Guideline 202

Toxicity to algae : NOELR (Pseudokirchneriella subcapitata (green algae)): 4.05

mg/l

End point: Growth inhibition

Exposure time: 72 h
Test Type: static test
Test substance: WAF

Method: OECD Test Guideline 201

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOELR (Daphnia magna (Water flea)): 100 mg/l

Exposure time: 21 d
Test Type: semi-static test
Test substance: WAF

Method: OECD Test Guideline 211

C14-16-18 Alkyl phenol:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 100 mg/l

Exposure time: 96 h
Test Type: static test
Test substance: WAF

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h
Test Type: static test

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l

End point: Growth inhibition

Exposure time: 72 h
Test Type: static test
Test substance: WAF

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No data available

Persistence and degradability

**Components:** 

PETROLEUM DISTILLATES:

Biodegradability : Result: Inherently biodegradable.

Method: OECD Test Guideline 301F

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 0 % Exposure time: 28 d

Method: OECD Test Guideline 301B

ORGANIC ACID ESTER:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: < 4 % Exposure time: 28 d

Method: OECD Test Guideline 301B

GLP: yes

ZINC DIALKYLDITHIOPHOSPHATE:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 1.5 % Exposure time: 28 d

Method: OECD Test Guideline 301B

LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 23 % Exposure time: 28 d

Method: OECD Test Guideline 301B

Remarks: Information given is based on data obtained from

similar substances.

C14-16-18 Alkyl phenol:

Biodegradability : Result: Readily biodegradable.

Remarks: Expert judgement

No data available

Bioaccumulative potential

**Components:** 

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

Partition coefficient: n-

: log Pow: > 7.5

octanol/water

ORGANIC ACID ESTER:

Bioaccumulation : Species: Fish

Bioconcentration factor (BCF): 260 Method: OECD Test Guideline 305

Remarks: The substance has low potential for

bioaccumulation.

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Partition coefficient: n-

: log Pow: Calculated 9.2

octanol/water

ZINC DIALKYLDITHIOPHOSPHATE:

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

octanol/water

LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:

Partition coefficient: n- : log Pow: > 5.1

octanol/water Method: OECD Test Guideline 107

C14-16-18 Alkyl phenol:

Partition coefficient: n-: log Pow: > 7.2

octanol/water

No data available Mobility in soil Components: No data available

Other adverse effects

No data available

**Product:** 

Additional ecological : No data available

information

## **Components:**

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Contaminated packaging : Empty remaining contents.

## **SECTION 14. TRANSPORT INFORMATION**

## International transport regulations

## **REGULATION**

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

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

## **INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

## INTERNATIONAL MARITIME DANGEROUS GOODS

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Not dangerous goods		

## UN DG

Not dangerous goods

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

Marine pollutant	no

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.

#### **SECTION 15. REGULATORY INFORMATION**

# Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Control Order (CCO) : Not applicable

Priority Chemical List (PCL) : Not applicable

Hazardous Substance Act B.E. 2535 : Not applicable

Emergency Decree on Controlling the Use of Volatile : Not applicable

Substances B.E. 2533

# Other international regulations

## The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

AICS : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : Not in compliance with the inventory

TSCA : On TSCA Inventory

#### **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

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## **Full text of H-Statements**

H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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 SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-VALVOLINE).

Sources of key data used to compile the Safety Data Sheet Valvoline internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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.

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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

#### **CEATOX**

Assistance Center of the Institute of Toxicology Children's Hospital Clinic, Faculty of Medicine University of São Paulo.

BR OEL: Occupational Exposure Limit (Brazil) UY OEL: Occupational Exposure Limit (Uruguay) PY OEL: Occupational Exposure Limit (Paraguay)