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Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS\_GB

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : SynPower™ LL-12 FE 0W30  
 Synthetic Blend Motor Oil  
 ™ Trademark, Valvoline or its subsidiaries, registered in various countries

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

Recommended use : Engine, gear & lubricating oil.

<b>1.3 Details of the supplier of the safety data sheet</b> Ellis Enterprises B.V., an affiliate of Valvoline Wieldrechtseweg 39 3316 BG Dordrecht Netherlands +31 (0)78 654 3500 (in the Netherlands), or contact your local CSR contact person  SDS@valvoline.com	<b>1.4 Emergency telephone number</b> 00-800-825-8654 / 001-859-202-3865, or contact your local emergency telephone number at 112  <b>Product Information</b> +31 (0)78 654 3500 (in the Netherlands), or contact your local CSR contact person
---	---

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### Additional Labelling:

EUH210 Safety data sheet available on request.  
 EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.

### 2.3 Other hazards

#### Additional advice

No information available.



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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components


Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25-xxxx	Asp. Tox.1; H304	>= 70,00 - < 80,00
Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based	72623-87-1 276-738-4 01-2119474889-13-xxxx	Asp. Tox.1; H304	>= 1,00 - < 2,50
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	72623-86-0 276-737-9	Asp. Tox.1; H304	>= 1,00 - < 2,50
Reaction products of Benzeneamine, N- phenyl- with nonene (branched)	36878-20-3 01-2119488911-28-xxxx	Aquatic Chronic4; H413	>= 1,00 - < 2,50
C14-16-18 Alkyl phenol	931-468-2 01-2119498288-19-xxxx	Skin Sens.1B; H317 STOT RE2; H373	>= 1,00 - < 2,50
Zinc bis[O-(6- methylheptyl)] bis[O- (sec-butyl)] bis(dithiophosphate)	93819-94-4 298-577-9 01-2119543726-33-xxxx	Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Chronic2; H411	>= 0,50 - < 1,00

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.  
 If unconscious, place in recovery position and seek medical advice.

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

#### 4.2 Most important symptoms and effects, both acute and delayed

- 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)
- Risks : 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.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No hazards which require special first aid measures.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
 Water spray  
 Foam  
 Carbon dioxide (CO<sub>2</sub>)  
 Dry chemical

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

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

Hazardous combustion products : carbon dioxide and carbon monoxide  
 Hydrocarbons  
 nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.


## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : 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.

### 6.2 Environmental precautions

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

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respective authorities.

### 6.3 Methods and material for containment and cleaning up

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.

### 6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe 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.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday.


### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

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

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

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : amber


Odour : oily

Odour Threshold : No data available

pH :  
Not applicable

Pour point : -45 °C

Boiling point/boiling range : No data available

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Flash point : 228 °C  
 Method: Cleveland open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 0,842 g/cm3 (15 °C)

Bulk density : Not applicable

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

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

Decomposition temperature : No data available

Viscosity


Viscosity, dynamic : 6.000 mPa.s (-35 °C)

Viscosity, kinematic : 53 mm2/s (40 °C)

Oxidizing properties : No data available

## 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Product will not undergo hazardous polymerization.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : Strong bases  
Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : carbon dioxide and carbon monoxide  
Hydrocarbons  
Nitrogen oxides (NOx)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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

#### Acute toxicity

Not classified based on available information.

#### Components:

Distillates (petroleum), hydrotreated heavy paraffinic

Acute oral toxicity : LD50 (Rat): > 15 g/kg

Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

#### Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5,58 mg/l



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Exposure time: 4 h  
 Test atmosphere: dust/mist  
 Assessment: Not classified as acutely toxic by inhalation  
 under GHS.  
 Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg  
 Remarks: No mortality observed at this dose.

**Components:**

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
 Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

**Components:**

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  
 Assessment: Not classified as acutely toxic by dermal  
 absorption under GHS.  
 Remarks: Information given is based on data obtained from  
 similar substances.

**Components:**

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.

**Components:**

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)  
 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.

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**

Distillates (petroleum), hydrotreated heavy paraffinic  
 Result: Slight, transient irritation

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Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based  
 Species: Rabbit  
 Result: No skin irritation

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
 Result: No skin irritation

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.

C14-16-18 Alkyl phenol  
 Method: OECD Test Guideline 431  
 Result: No skin irritation

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)  
 Species: Guinea pig  
 Method: OECD Test Guideline 404  
 Result: Irritating to skin.  
 Remarks: Information given is based on data obtained from similar substances.

#### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Product:**

Remarks: Unlikely to cause eye irritation or injury.

#### **Components:**

Distillates (petroleum), hydrotreated heavy paraffinic  
 Result: No eye irritation


Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based  
 Species: Rabbit  
 Result: No eye irritation

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
 Result: No eye 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.

C14-16-18 Alkyl phenol  
 Species: Rabbit  
 Result: Slight, transient irritation

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)  
 Species: Rabbit

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Result: Corrosive

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

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

#### Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based

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

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

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


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

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

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

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

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **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.

#### **Aspiration toxicity**

Not classified based on available information.

#### **Components:**

Distillates (petroleum), hydrotreated heavy paraffinic

May be fatal if swallowed and enters airways.

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based

May be fatal if swallowed and enters airways.

#### **Further information**

#### **Product:**

Remarks: No data available

---

## **SECTION 12: Ecological information**

### **12.1 Toxicity**


#### **Components:**

Distillates (petroleum), hydrotreated heavy paraffinic


Toxicity to fish : LL50 (Fish): > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates : EL50 (Aquatic invertebrates): > 10.000 mg/l

Toxicity to algae : EL50 (Algae, algal mat (Algae)): > 100 mg/l

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Toxicity to fish (Chronic toxicity)	: NOEC: 10 mg/l Species: Fish
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 10 mg/l Species: Aquatic invertebrates
Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based Toxicity to fish	: LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Test Type: static test Test substance: WAF Method: OECD Test Guideline 203 Remarks: No toxicity at the limit of solubility
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 Method: OECD Test Guideline 202
Toxicity to algae	: NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Test substance: WAF Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity)	: NOELR: Calculated >= 1.000 mg/l Exposure time: 14 d Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEL: 10 mg/l Exposure time: 21 d Species: Daphnia (water flea) Test substance: WAF Method: OECD Test Guideline 211
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

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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

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

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)  
 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 aquatic invertebrates : EC50 (Water flea (Daphnia magna)): 5,4 mg/l  
 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

## 12.2 Persistence and degradability

### Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based  
 Biodegradability : Result: Not readily biodegradable.  
 Biodegradation: 2 - 4 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B

Reaction products of Benzeneamine, N-phenyl- with nonene (branched)  
 Biodegradability : Result: Not readily biodegradable.

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Biodegradation: 0 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B

C14-16-18 Alkyl phenol  
 Biodegradability : Result: Readily biodegradable.  
 Remarks: Expert judgement

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)  
 Biodegradability : Result: Not readily biodegradable.  
 Biodegradation: 1,5 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B

### 12.3 Bioaccumulative potential

#### Components:

Reaction products of Benzeneamine, N-phenyl- with nonene (branched)  
 Partition coefficient: n-octanol/water : log Pow: > 7,5

C14-16-18 Alkyl phenol  
 Partition coefficient: n-octanol/water : log Pow: > 7,2

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)  
 Partition coefficient: n-octanol/water : log Pow: 0,59 - 1,2 (23 °C)

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects


#### Product:

Additional ecological information : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
 Do not contaminate ponds, waterways or ditches with

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chemical or used container.  
 Send to a licensed waste management company.

Contaminated packaging : 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.

## SECTION 14: Transport information

### SECTION 14: Transport information

#### 14.1 UN number

**ADN:** Not dangerous goods  
**ADR:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods  
**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods  
**RID:** Not dangerous goods

#### 14.2 UN proper shipping name

**ADN:** Not dangerous goods  
**ADR:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods  
**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods  
**RID:** Not dangerous goods


#### 14.3 Transport hazard class(es)

**ADN:** Not dangerous goods  
**ADR:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods  
**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods  
**RID:** Not dangerous goods

#### 14.4 Packing group

**ADN:** Not dangerous goods  
**ADR:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods  
**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods  
**RID:** Not dangerous goods



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#### 14.5 Environmental hazards

**ADN:** Not applicable

**ADR:** Not applicable

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not applicable

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not applicable

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not applicable

**RID:** Not applicable

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship Type: Not applicable

Hazard code(s): Not applicable

Pollutant Category: Not applicable

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

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable


Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

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

DSL	: All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
ENCS	Not in compliance with the inventory
KECI	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or 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)

**15.2 Chemical safety assessment**

No data available

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**SECTION 16: Other information**

**Further information**

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**Full text of H-Statements**

H304	May be fatal if swallowed and enters airways.
H315	Causes 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.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.


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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 (+31 (0)78 654 3500).

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.  
 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

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vPvB : Very Persistent and Very Bioaccumulative  
WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands  
ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine  
CLP : Classification, Labelling and Packaging  
CSA : Chemical Safety Assessment  
CSR : Chemical Safety Report  
DNEL : Derived No Effect Level.  
EINECS : European Inventory of Existing Commercial Chemical Substances.  
ELINCS : European List of Notified Chemical Substances  
PEC : Predicted Effect Concentration  
PEL : Permissible Exposure Limits  
PNEC : Predicted No Effect Concentration  
R-pharse : Risk phrase  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulation Concerning the International Transport of Dangerous Goods by Rail  
S-phrase: Safety phrase  
WGK : German Water Hazard Class