



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

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 : Valvoline™ HYBRID DCT  
SYNTHETIC BLEND GEAR OIL

Product code : 892454

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

Recommended use : Engine, gear & lubricating oil.

### 1.3 Details of the supplier of the safety data sheet

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

### 1.4 Emergency telephone number

00-800-825-8654 / 001-859-202-3865, or contact  
your local emergency telephone number at 112

### Product Information

+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)

Long-term (chronic) aquatic hazard,  
Category 3

H412: Harmful to aquatic life with long lasting  
effects.

### 2.2 Label elements

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

Hazard statements : H412

Harmful to aquatic life with long lasting  
effects.

Precautionary statements : **Prevention:**



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

P273  
**Disposal:**  
P501

Avoid release to the environment.  
  
Dispose of contents/ container to an  
approved waste disposal plant.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Additional advice

No information available.

## 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 (%)
Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based	72623-87-1 276-738-4 01-2119474889-13-xxxx	Asp. Tox.1; H304	>= 50,00 - < 60,00
METHACRYLATE COPOLYMER		Eye Irrit.2; H319	>= 2,50 - < 5,00
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25-xxxx	Asp. Tox.1; H304	>= 2,50 - < 5,00
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7	Asp. Tox.1; H304	>= 1,00 - < 2,50
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	1218787-32-6 620-540-6 01-2119510877-33-xxxx	Acute Tox.4; H302 Skin Corr.1C; H314 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic2; H411	>= 0,25 - < 0,50
3-((C9-11-iso,C10- rich)alkyloxy)propan-1- amine	939-485-7 01-2119974116-35-xxxx	Acute Tox.4; H302 Skin Corr.1B; H314 Eye Dam.1; H318 Aquatic Acute1; H400	>= 0,025 - < 0,10



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

		Aquatic Chronic1; H410	
(Z)-N-9-octadecenylpropane-1,3-diamine	7173-62-8 230-528-9	Met. Corr.1; H290 Acute Tox.4; H302 Skin Corr.1B; H314 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410	$\geq 0,0025 - < 0,025$

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : If symptoms persist, call a physician.  
If unconscious, place in recovery position and seek medical advice.  
If breathed in, move person into fresh air.
- 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 : Protect unharmed eye.  
Remove contact lenses.
- If swallowed : If symptoms persist, call a physician.  
Never give anything by mouth to an unconscious person.  
Do not give milk or alcoholic beverages.

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

- Symptoms : No symptoms known or expected.

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

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



# **SAFETY DATA SHEET**

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

---

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

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

### **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.  
If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.

Hazardous combustion products : carbon dioxide and carbon monoxide

### **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 : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## **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 : If the product contaminates rivers and lakes or drains inform



# **SAFETY DATA SHEET**

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

respective authorities.  
Prevent further leakage or spillage if safe to do so.  
Prevent product from entering drains.

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

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

## **6.4 Reference to other sections**

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

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

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

Hygiene measures : General industrial hygiene practice.

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

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage : No materials to be especially mentioned.

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**



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

## 8.1 Control parameters

Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

### 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

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 : Safety shoes  
Wear as appropriate:

Respiratory protection : No personal respiratory protective equipment normally required.

No personal respiratory protective equipment normally required.

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## 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

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : ca. 178 °C  
Method: Pensky-Martens closed cup



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 0,847 g/cm <sup>3</sup> (15,6 °C)
Solubility(ies)	
Water solubility	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: ca. 32,7 mm <sup>2</sup> /s (40 °C) Method: ASTM D 445
Oxidizing properties	: No data available

## 9.2 Other information

Self-ignition	: No data available
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.



## SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

### 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 : excessive heat

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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

#### Acute toxicity

Not classified based on available information.

#### 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  
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:





# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

## HEAVY PARAFFINIC DISTILLATE:

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

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

## Components:

### HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

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

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

### 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:

Acute oral toxicity : LD50 (Rat, female): 1.200 mg/kg  
Method: OECD Test Guideline 425

## Components:

### 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine:

Acute oral toxicity : LD50 (Rat): 200 - 2.000 mg/kg  
Method: OECD Test Guideline 423  
Assessment: The component/mixture is classified as acute oral toxicity, category 4.

## Components:

### N-OLEYL-1,3-PROPANEDIAMINE:

Acute oral toxicity : LD50 (Rat, female): ca. 500 mg/kg  
Method: OECD Test Guideline 423

## Skin corrosion/irritation

Not classified based on available information.

## Components:

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

Species: Rabbit  
Result: No skin irritation



# **SAFETY DATA SHEET**

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

**METHACRYLATE COPOLYMER:**

Result: Slight, transient irritation

**HEAVY PARAFFINIC DISTILLATE:**

Result: Slight, transient irritation

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

Species: Rabbit

Result: No skin irritation

**2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:**

Result: Corrosive after 1 to 4 hours of exposure

**3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: Corrosive after 3 minutes to 1 hour of exposure

**N-OLEYL-1,3-PROPANEDIAMINE:**

Result: Corrosive to skin

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks: Unlikely to cause eye irritation or injury.

**Components:**

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

Species: Rabbit

Result: No eye irritation

**METHACRYLATE COPOLYMER:**

Result: Irritating to eyes.

**HEAVY PARAFFINIC DISTILLATE:**

Result: No eye irritation

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

Species: Rabbit

Result: No eye irritation

**N-OLEYL-1,3-PROPANEDIAMINE:**

Result: Corrosive



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

## 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.

#### **HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

Test Type: Buehler Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

## Germ cell mutagenicity

Not classified based on available information.

### Components:

#### **N-OLEYL-1,3-PROPANEDIAMINE:**

- Genotoxicity in vitro
- : Test Type: Ames test  
Test species: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative
  - : Test species: Chinese hamster lung cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative
  - : Test Type: Chromosome aberration test in vitro  
Test species: Chinese hamster fibroblasts  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

## Carcinogenicity

Not classified based on available information.

### Components:

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

- Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

#### **HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

## 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.

## Aspiration toxicity

Not classified based on available information.

## Components:

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

May be fatal if swallowed and enters airways.

**HEAVY PARAFFINIC DISTILLATE:**

May be fatal if swallowed and enters airways.

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

May be fatal if swallowed and enters airways.

## Further information

### Product:

Remarks: No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

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 : EL50 (Daphnia magna (Water flea)): > 10.000 mg/l



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

aquatic invertebrates	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: >= 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
Distillates (petroleum), hydrotreated heavy paraffinic Toxicity to fish	: LL50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EL50 (Aquatic invertebrates): > 10.000 mg/l Exposure time: 48 h
Toxicity to algae	: EL50 (Algae, algal mat (Algae)): > 100 mg/l Exposure time: 72 h
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
Distillates (petroleum), hydrotreated light paraffinic 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



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

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
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 0,1 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0,043 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): 0,0867 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201  NOEC (Pseudokirchneriella subcapitata (green algae)): 0,0156 mg/l Exposure time: 72 h
M-Factor (Short-term (acute) aquatic hazard)	: 10



## SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: EC50: 0,0463 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211
M-Factor (Long-term (chronic) aquatic hazard)	: 1
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	
Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 2,14 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): 0,0827 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
M-Factor (Short-term (acute) aquatic hazard)	: 10
Ecotoxicology Assessment	
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.
(Z)-N-9-octadecenylpropane-1,3-diamine	
Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 0,1 mg/l Exposure time: 96 h Test Type: semi-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)): 0,025 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): 0,506 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
M-Factor (Short-term (acute)	: 10



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

aquatic hazard)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: semi-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

Distillates (petroleum), hydrotreated light paraffinic

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 2 - 4 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

Biodegradability : Inoculum: activated sludge  
Concentration: 2,7 mg/l  
Result: Readily biodegradable.  
Biodegradation: 63 %  
Related to: Chemical oxygen demand  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine

Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: 68 %  
Exposure time: 28 d

(Z)-N-9-octadecenylpropane-1,3-diamine

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 62 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

## 12.3 Bioaccumulative potential

### Components:

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine





## SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

Partition coefficient: n-octanol/water : log Pow: -0,34 (25 °C)

(Z)-N-9-octadecenylpropane-1,3-diamine  
Partition coefficient: n-octanol/water : log Pow: 0,03 (25,7 °C)  
pH: 6,8

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

#### Product:

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

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Dispose of as unused product.  
Empty remaining contents.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

## 14.3 Transport hazard class(es)

Not regulated as a dangerous good

## 14.4 Packing group

Not regulated as a dangerous good

## 14.5 Environmental hazards

Not regulated as a dangerous good

## 14.6 Special precautions for user

Not applicable

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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 - 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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

DISTILLATES (PETROLEUM),  
HYDROTREATED HEAVY  
PARAFFINIC (Number on list 28)

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
TCSI	: 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)

**15.2 Chemical safety assessment**

No data available

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**SECTION 16: Other information**

**Further information**

Internal information : 000000277162



# SAFETY DATA SHEET

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

## Full text of H-Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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



# **SAFETY DATA SHEET**

Valvoline™ HYBRID DCT SYNTHETIC BLEND  
GEAR OIL

Version: 1.0

Revision Date: 14.09.2020

Print Date: 14/09/2022

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

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-phrases : Risk phrases  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulation Concerning the International Transport of Dangerous Goods by Rail  
S-phrases: Safety phrases  
WGK : German Water Hazard Class