



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

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 : SynPower™ ENV C2 0W/30  
Synthetic Motor Oil

Product code : 872518

### 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)

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 Molybdenum polysulphide long chain alkyl dithiocarbamate complex,



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

C14-16-18 Alkyl phenol. May produce an allergic reaction.

## 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 (%)
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25-xxxx	Asp. Tox.1; H304	>= 60,00 - < 70,00
DECENE-1 HOMOPOLYMER HYDROGENATED	68037-01-4 01-2119486452-34-xxxx	Asp. Tox.1; H304	>= 10,00 - < 15,00
Long Chain Alkaryl Amine		Aquatic Chronic4; H413	>= 1,00 - < 2,50
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
Molybdenum polysulphide long chain alkyl dithiocarbamate complex	457-320-2 01-0000019337-66-xxxx	Skin Irrit.2; H315 Skin Sens.1B; H317 Aquatic Chronic3; H412	>= 0,25 - < 0,50
C14-16-18 Alkyl phenol	931-468-2 01-2119498288-19-xxxx	Skin Sens.1B; H317 STOT RE2; H373	>= 0,10 - < 0,50

For explanation of abbreviations see section 16.



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

---

### 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 breathed in, move person into fresh air.<br>If unconscious, place in recovery position and seek medical advice.<br>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  | : Protect unharmed eye.<br>Remove contact lenses.                                                                                                              |
| If swallowed            | : If symptoms persist, call a physician.<br>Never give anything by mouth to an unconscious person.<br>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. |
|-----------|--------------------------------------------------------|

---

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

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

#### 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. |
|--------------------------------------|-----------------------------------------------------------------------------|



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Hazardous combustion products : Hydrocarbons  
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 : 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 further leakage or spillage if safe to do so.

### 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 : 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.



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Hygiene measures : General industrial hygiene practice.

## 7.2 Conditions for safe storage, including any incompatibilities

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

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Molybdenum polysulphide long chain alkyl dithiocarbamate complex		TWA	10 mg/m <sup>3</sup>	SUPLR EXP

### 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.



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear
Odour	: No data available
Odour Threshold	: No data available
pH	: Not applicable
Pour point	: <= -45 °C
Boiling point/boiling range	: No data available
Flash point	: 230 °C Method: Cleveland open cup
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. 0,845 g/cm <sup>3</sup> (15,6 °C)
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : ca. 51,6 mm<sup>2</sup>/s (40 °C)

Oxidizing properties : No data available

### 9.2 Other information

Self-ignition : No data available

---

## 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.

None known.

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Information on likely routes of : Inhalation



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

exposure

Skin contact  
Eye Contact  
Ingestion

## Acute toxicity

Not classified based on available information.

## Product:

Acute oral toxicity : Acute toxicity estimate : > 5.000 mg/kg  
Method: Calculation method

## Components:

### HEAVY PARAFFINIC DISTILLATE:

Acute oral toxicity : LD50 (Rat): > 15 g/kg  
Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

## Components:

### DECENE-1 HOMOPOLYMER HYDROGENATED:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 5,2 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.  
Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

## 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.





## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

### Components:

#### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

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

### Components:

#### **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.

### 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.

### **Skin corrosion/irritation**

Not classified based on available information.

### Product:

Result: Repeated exposure may cause skin dryness or cracking.

### Components:

#### **HEAVY PARAFFINIC DISTILLATE:**

Result: Slight, transient irritation

#### **DECENE-1 HOMOPOLYMER HYDROGENATED:**

Species: Rabbit

Result: No skin irritation

#### **Long Chain Alkaryl Amine:**

Result: No skin irritation

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

Species: Rabbit

Result: No skin irritation

#### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Result: No skin irritation

## 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:

### HEAVY PARAFFINIC DISTILLATE:

Result: No eye irritation

### DECENE-1 HOMOPOLYMER HYDROGENATED:

Species: Rabbit

Result: Slight, transient irritation

### Long Chain Alkaryl Amine:

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

## 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.



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

## Components:

### **DECENE-1 HOMOPOLYMER HYDROGENATED:**

Test Type: **Maximisation Test**  
Species: **Guinea pig**  
Assessment: **Does not cause skin sensitisation.**  
Method: **OECD Test Guideline 406**

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

Test Type: **Buehler Test**  
Species: **Guinea pig**  
Assessment: **Does not cause skin sensitisation.**

### **LONG CHAIN ALKYL THIOCARBAMIDE METAL COMPLEX:**

Test Type: **Maximisation Test**  
Species: **Guinea pig**  
Assessment: **The product is a skin sensitiser, sub-category 1B.**

### **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:

### **DECENE-1 HOMOPOLYMER HYDROGENATED:**

Genotoxicity in vitro : Test Type: **Ames test**  
Test species: **Salmonella typhimurium**  
Metabolic activation: **with and without metabolic activation**  
Result: **negative**

### **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**



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

## 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)

### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

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.

## 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:

### HEAVY PARAFFINIC DISTILLATE:

May be fatal if swallowed and enters airways.

### DECENE-1 HOMOPOLYMER HYDROGENATED:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

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

May be fatal if swallowed and enters airways.

## Further information

## Product:

Remarks: No data available



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

Distillates (petroleum), hydrotreated heavy paraffinic

Toxicity to fish	: <b>LL50 (Fish): &gt; 100 mg/l</b> Exposure time: <b>96 h</b>
Toxicity to daphnia and other aquatic invertebrates	: <b>EL50 (Aquatic invertebrates): &gt; 10.000 mg/l</b> Exposure time: <b>48 h</b>
Toxicity to algae	: <b>EL50 (Algae, algal mat (Algae)): &gt; 100 mg/l</b> Exposure time: <b>72 h</b>
Toxicity to fish (Chronic toxicity)	: <b>NOEC: 10 mg/l</b> Species: <b>Fish</b>
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: <b>NOEC: 10 mg/l</b> Species: <b>Aquatic invertebrates</b>

#### DECENE-1 HOMOPOLYMER HYDROGENATED

Toxicity to fish	: <b>LL50 (Oncorhynchus mykiss (rainbow trout)): &gt; 1.000 mg/l</b> Exposure time: <b>96 h</b> Test Type: <b>semi-static test</b> Test substance: <b>WAF</b>
Toxicity to daphnia and other aquatic invertebrates	: <b>EL50 (Daphnia magna (Water flea)): &gt; 1.000 mg/l</b> Exposure time: <b>48 h</b> Test Type: <b>static test</b> Test substance: <b>WAF</b> Method: <b>OECD Test Guideline 202</b>
Toxicity to algae	: <b>EL50 (Scenedesmus capricornutum (fresh water algae)): &gt; 1.000 mg/l</b> End point: <b>Growth inhibition</b> Exposure time: <b>72 h</b> Test Type: <b>static test</b> Test substance: <b>WAF</b> Method: <b>OECD Test Guideline 201</b>
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: <b>NOELR: 125 mg/l</b> Exposure time: <b>21 d</b> Species: <b>Daphnia magna (Water flea)</b>



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Test Type: **semi-static test**  
Test substance: **WAF**  
Method: **OECD Test Guideline 211**

Long Chain Alkaryl Amine  
Ecotoxicology Assessment

Long-term (chronic) aquatic hazard : **May cause long lasting harmful effects to aquatic life.**

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: >= 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**

Molybdenum polysulphide long chain alkyl dithiocarbamate 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**



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Toxicity to daphnia and other aquatic invertebrates	: EL50 ( <i>Daphnia magna</i> (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 ( <i>Pseudokirchneriella subcapitata</i> (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: 100 mg/l Exposure time: 21 d Species: <i>Daphnia magna</i> (Water flea) Test Type: semi-static test Test substance: WAF Method: OECD Test Guideline 211

## C14-16-18 Alkyl phenol

Toxicity to fish	: LC50 ( <i>Cyprinus carpio</i> (Carp)): > 100 mg/l Exposure time: 96 h Test Type: static test Test substance: WAF
Toxicity to daphnia and other aquatic invertebrates	: EC50 ( <i>Daphnia magna</i> (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	: EC50 ( <i>Pseudokirchneriella subcapitata</i> (algae)): > 100 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Test substance: WAF

## 12.2 Persistence and degradability

### Components:

DECENE-1 HOMOPOLYMER HYDROGENATED

Biodegradability : Result: Inherently biodegradable

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



# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

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

Molybdenum polysulphide long chain alkyl dithiocarbamate 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**

## 12.3 Bioaccumulative potential

### Components:

DECENE-1 HOMOPOLYMER HYDROGENATED

Partition coefficient: n-octanol/water : log Pow: **> 6,5**

Molybdenum polysulphide long chain alkyl dithiocarbamate complex

Partition coefficient: n-octanol/water : log Pow: **> 5,1**  
Method: **OECD Test Guideline 107**

C14-16-18 Alkyl phenol

Partition coefficient: n-octanol/water : log Pow: **> 7,2**

## 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:





# SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

Additional ecological information : No data available

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Contaminated packaging : Empty remaining contents.

---

## 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

### 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



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

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) : Not applicable

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 : This product contains one or several components that are not on the Canadian DSL and have annual quantity limits.

AICS : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

TCSI : Not in compliance with the inventory



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

TSCA : Not 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

## SECTION 16: Other information

### Further information

Internal information : 000000265320

### 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.
H373	May cause damage to organs through prolonged or repeated exposure.
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 ('+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.



## SAFETY DATA SHEET

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

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

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-phrased : Risk phrase  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals



## **SAFETY DATA SHEET**

SynPower™ ENV C2 0W/30 Synthetic Motor Oil

Version: 2.0

Revision Date: 06.01.2020

Print Date: 23/09/2022

---

RID : Regulation Concerning the International Transport of Dangerous Goods by Rail

S-phrase: Safety phrase

WGK : German Water Hazard Class