	
<b>SAFETY DATA SHEET</b>	Revision Date: 02.03.2018
	Print Date: 19.03.2018
	SDS Number: 000000239297
Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil	Version: 8.0
872779	

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™ ALL CLIMATE EXTRA 10W40 Motor Oil

### 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.

### 2.3 Other hazards

#### Additional advice

No information available.

## SECTION 3: Composition/information on ingredients

	
<b>SAFETY DATA SHEET</b>	Revision Date: 02.03.2018
	Print Date: 19.03.2018
	SDS Number: 000000239297
Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil	Version: 8.0
872779	

### 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	>= 15,00 - < 25,00
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7 01-2119487077-29-xxxx	Asp. Tox.1; H304	>= 15,00 - < 25,00
Zinc alkyldithiophosphate	68649-42-3 272-028-3	Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Chronic2; H411	>= 1,00 - < 2,50
CALCIUM LONG- CHAIN ALKYLPHENATE SULFIDE	122384-87-6	Aquatic Chronic4; H413	>= 1,00 - < 2,50

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.  
Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
Wash contaminated clothing before re-use.
- In case of eye contact : Flush eyes with water as a precaution.


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

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:  
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.

---

**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 : High volume water jet


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

media

**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

**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.

---

**SECTION 6: Accidental release measures**
**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
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 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.


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

---

**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.  
Avoid contact with skin and eyes.  
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. When using do not eat or drink. When using do not smoke.

**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. Observe label precautions.

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**

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.


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

## Hand protection

Remarks : Nitrile rubber butyl-rubber

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 : < -33 °C

Boiling point/boiling range : No data available

Flash point : 222 °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


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

Relative density	:	No data available
Density	:	ca. 0,869 g/cm <sup>3</sup> (15 °C)
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	:	< 6.800 mPa.s (-25 °C)
Viscosity, kinematic	:	ca. 88 mm <sup>2</sup> /s (40 °C)
Oxidizing properties	:	No data available

**9.2 Other information**

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 : excessive heat

**10.5 Incompatible materials**

Materials to avoid : Strong oxidizing agents

**10.6 Hazardous decomposition products**
Hazardous decomposition products : carbon dioxide and carbon monoxide  
Hydrocarbons


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

**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:**
**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:**
**ZINC DIALKYL DITHIOPHOSPHATE:**

Acute oral toxicity : LD50 (Rat): > 2.000 - 5.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Assessment: Not classified as acutely toxic by dermal absorption under GHS.

**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

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

Result: Slight, transient irritation




**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

**ZINC DIALKYL DITHIOPHOSPHATE:**
Result: **Irritating to skin.**
**CALCIUM LONG-CHAIN ALKYLPHENATE SULFIDE:**
Result: **Slight, transient irritation**
**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Result: No eye irritation

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:**
**Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:**
Species: **Rabbit**Result: **No eye irritation**
**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**
Result: **Slight, transient irritation**
**ZINC DIALKYL DITHIOPHOSPHATE:**
Result: **Corrosive**
**CALCIUM LONG-CHAIN ALKYLPHENATE SULFIDE:**
Result: **Slight, transient irritation**
**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Components:**
**Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:**
Test Type: **Buehler Test**Species: **Guinea pig**Assessment: **Does not cause skin sensitisation.**
**ZINC DIALKYL DITHIOPHOSPHATE:**
Assessment: **Does not cause skin sensitisation.**
**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 00000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

**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.

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**

May be fatal if swallowed and enters airways.

**Further information**
**Product:**

Remarks: No data available

**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 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


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779

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**

Zinc alkyldithiophosphate  
 Ecotoxicology Assessment

Acute aquatic toxicity : **Toxic to aquatic life.**

Chronic aquatic toxicity : **Toxic to aquatic life with long lasting effects.**

CALCIUM LONG-CHAIN ALKYLPHENATE SULFIDE

Ecotoxicology Assessment

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

## 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**

Zinc alkyldithiophosphate

Biodegradability : Result: **Not readily biodegradable.**  
 Biodegradation: **1,5 %**  
 Exposure time: **28 d**

## 12.3 Bioaccumulative potential


No data available

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

Not relevant

		Page: 12
<b>SAFETY DATA SHEET</b>		Revision Date: 02.03.2018
		Print Date: 19.03.2018
		SDS Number: 000000239297
Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil		Version: 8.0
872779		

## 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 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


**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

**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)

**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

		Page: 13
<b>SAFETY DATA SHEET</b>		Revision Date: 02.03.2018
		Print Date: 19.03.2018
		SDS Number: 000000239297
Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil		Version: 8.0
872779		

**RID:** Not dangerous goods

#### 14.4 Packing group

**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

#### 14.5 Environmental hazards

**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

		Page: 14
<b>SAFETY DATA SHEET</b>		Revision Date: 02.03.2018
		Print Date: 19.03.2018
		SDS Number: 000000239297
Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil		Version: 8.0
872779		

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 57) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : 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 : All components of this product are on the Canadian DSL
- AICS On the inventory, or in compliance with the inventory
- ENCS On the inventory, or 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

---

**SECTION 16: Other information**

**Further information**

Revision Date: 02.03.2018

**Full text of H-Statements**

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.


**SAFETY DATA SHEET**

Revision Date: 02.03.2018

Print Date: 19.03.2018

SDS Number: 000000239297

Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil

Version: 8.0

872779


**H411** Toxic 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.

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

		Page: 16
<b>SAFETY DATA SHEET</b>		Revision Date: 02.03.2018
		Print Date: 19.03.2018
		SDS Number: 000000239297
Valvoline™ ALL CLIMATE EXTRA 10W40 Motor Oil		Version: 8.0
872779		

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-phrase : 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