



## SAFETY DATA SHEET

ALL FLT PREMIUM 15W40

Version: 6.0

Revision Date: 27.06.2023

Print Date: 04/22/2024

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ALL FLT PREMIUM 15W40

Product code : 692053

#### Manufacturer or supplier's details

Company : Valvoline Pte. Ltd.

Address : 8 Jurong Town Hall Road, #30-01  
Singapore 609434  
Singapore

Telephone : 1-800-TEAMVAL (1-800-832-6825)

Emergency telephone number : +1-800-VALVOLINE (+1-800-825-8654), or contact your local emergency telephone number at 995

E-mail address : SDS@valvolineglobal.com

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
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LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED	72623-87-1	>= 30 -< 50
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	>= 1 -< 10
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	>= 1 -< 10
Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts	Not Assigned	>= 0.1 -< 1

## 4. FIRST AID MEASURES

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : No symptoms known or expected.
- Notes to physician : Treat symptomatically.  
No hazards which require special first aid measures.

## 5. FIREFIGHTING MEASURES

- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : carbon dioxide and carbon monoxide
- Specific extinguishing methods : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.



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## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED	72623-87-1	PEL (long term) (Mist)	5 mg/m3	SG OEL
		PEL (short term) (Mist)	10 mg/m3	SG OEL
		TWA	5 mg/m3	ACGIH



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		(Inhalable particulate matter)		
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	PEL (long term) (Mist)	5 mg/m3	SG OEL
		PEL (short term) (Mist)	10 mg/m3	SG OEL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

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

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 199 °C

Method: Cleveland open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available



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Self-ignition	:	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. 0.8765 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	:	No data available
Viscosity, kinematic	:	> 20.5 mm <sup>2</sup> /s ( 40 °C)
Oxidizing properties	:	No data available

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### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	excessive heat
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.



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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not classified based on available information.

### Components:

#### LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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: The substance or mixture has no acute inhalation toxicity Remarks: No mortality observed at this dose.
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Remarks: No mortality observed at this dose.

#### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	: LC50 (Rat, male and female): > 5.28 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

#### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

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

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Remarks : May cause skin irritation and/or dermatitis.



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## Components:

### LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

Species	:	Rabbit
Result	:	No skin irritation

### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

Assessment	:	Irritating to skin.
Result	:	Irritating to skin.

### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Assessment	:	Slight, transient irritation
Result	:	Slight, transient irritation

### Serious eye damage/eye irritation

Not classified based on available information.

## Product:

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

## Components:

### LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

Species	:	Rabbit
Result	:	No eye irritation

### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Result	:	No eye irritation
Assessment	:	No eye 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:

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



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**Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts:**

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

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:**

|| Genotoxicity in vitro : Test Type: Ames test  
Result: negative

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

#### **LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:**

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

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

|| 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:**

|| No aspiration toxicity classification

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

|| May be fatal if swallowed and enters airways.





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## Further information

### Product:

Remarks : No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

#### Components:

#### LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

Toxicity to fish	: LL50 ( <i>Pimephales promelas</i> (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 ( <i>Daphnia magna</i> (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/aquatic plants	: NOEL ( <i>Pseudokirchneriella subcapitata</i> (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 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): Calculated >= 1,000 mg/l Exposure time: 14 d
Toxicity to daphnia and other	: NOEL ( <i>Daphnia</i> (water flea)): 10 mg/l



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aquatic invertebrates  
(Chronic toxicity)      Exposure time: 21 d  
Test substance: WAF  
Method: OECD Test Guideline 211

### Ecotoxicology Assessment

Acute aquatic toxicity      : Not classified based on available information.  
Chronic aquatic toxicity      : Not classified based on available information.

### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

#### Ecotoxicology Assessment

Acute aquatic toxicity      : Not classified based on available information.  
Chronic aquatic toxicity      : Not classified based on available information.

### 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/aquatic plants      : EL50 (Algae, algal mat (Algae)): > 100 mg/l  
Exposure time: 72 h  
Toxicity to fish (Chronic toxicity)      : NOEC (Fish): 10 mg/l  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)      : NOEC (Aquatic invertebrates): 10 mg/l

#### Ecotoxicology Assessment

Acute aquatic toxicity      : Not classified based on available information.  
Chronic aquatic toxicity      : Not classified based on available information.

### Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts:

Toxicity to fish      : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Toxicity to daphnia and other aquatic invertebrates      : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Toxicity to algae/aquatic      : EC50 (Selenastrum capricornutum (green algae)): > 1,000



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plants mg/l  
Exposure time: 96 h

### Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.  
Chronic aquatic toxicity : Not classified based on available information.

### Persistence and degradability

#### Components:

#### LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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

#### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

Biodegradability : Result: Inherently biodegradable.  
Biodegradation: 58.6 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

#### Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts:

Biodegradability : Biodegradation: 8 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : No data available



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### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- |                        |   |  |
|------------------------|---|--|
| Waste from residues    | : | Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.  |

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### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

- |                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| Labels               | : | Not applicable |

##### IATA-DGR

- |  |   |                |
|--|---|----------------|
| UN/ID No.                                | : | Not applicable |
| Proper shipping name                     | : | Not applicable |
| Class                                    | : | Not applicable |
| Subsidiary risk                          | : | Not applicable |
| Packing group                            | : | Not applicable |
| Labels                                   | : | Not applicable |
| Packing instruction (cargo aircraft)     | : | Not applicable |
| Packing instruction (passenger aircraft) | : | Not applicable |

##### IMDG-Code

- |                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| Labels               | : | Not applicable |
| EmS Code             | : | Not applicable |
| Marine pollutant     | : | Not applicable |

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

Not applicable for product as supplied.



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### Special precautions for user

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.

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## 15. REGULATORY INFORMATION

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

**Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.**

Environmental Protection and Management Act and : Not applicable  
Environmental Protection and Management  
(Hazardous Substances) Regulations

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

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: Not in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: 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	: Not in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
TECI	: Not in compliance with the inventory

### Inventories



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

### 16. OTHER INFORMATION

Revision Date : 27.06.2023  
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#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
SG OEL : Singapore. Workplace Safety and Health (General Provisions) Regulations - First Schedule Permissible Exposure Limits of Toxic Substances.

ACGIH / TWA : 8-hour, time-weighted average  
SG OEL / PEL (long term) : Permissible Exposure Level (PEL) Long Term  
SG OEL / PEL (short term) : Permissible Exposure Level (PEL) Short Term

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations



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Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SG / EN

Internal information : 000000256227