



# SAFETY DATA SHEET

Valvoline™ ATF SYNTHETIC BLEND ATF

Version: 3.0

Revision Date: 22.04.2021

Print Date: 12/09/2022

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™ ATF  
SYNTHETIC BLEND ATF

Product code : 866885

### 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 : P101

If medical advice is needed, have product



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P102

container or label at hand.

P103

Keep out of reach of children.

Read carefully and follow all instructions.

**Prevention:**

P273

Avoid release to the environment.

**Disposal:**

P501

Dispose of contents/ container to an approved waste disposal plant.

**Additional Labelling:**

EUH208 Contains Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs., 1,2-PROPANEDIOL, 3-AMINO, N,N,-DICOCO ALKYL DERIVS., 1-(tert-Dodecylthio)propan-2-ol, BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS. 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 (%)
Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based	72623-87-1 276-738-4 01-2119474889-13-xxxx	Asp. Tox.1; H304	>= 80,00 - < 90,00
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7 01-2119487077-29-xxxx	Asp. Tox.1; H304	>= 1,00 - < 2,50
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11- isoalkyloxy) derivs., C10-rich	398141-87-2 800-172-4 01-2119969520-35-xxxx	Aquatic Chronic2; H411	>= 1,00 - < 2,50
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.	866259-61-2 471-920-1 01-0000019770-68-xxxx	Skin Sens.1B; H317	>= 0,50 - < 1,00



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1,2-PROPANEDIOL, 3-AMINO, N,N-DICOCOALKYL DERIVS.	482-000-4 01-0000020142-86-xxxx	Skin Sens.1B; H317 Aquatic Chronic3; H412	>= 0,25 - < 0,50
1-(tert-Dodecylthio)propan-2-ol	67124-09-8 266-582-5 01-2119953277-30-xxxx	Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,25 - < 0,50
BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS		Skin Sens.1B; H317	>= 0,10 - < 0,50
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	61791-44-4	Met. Corr.1; H290 Acute Tox.4; H302 Skin Corr.1C; H314 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,025 - < 0,10

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
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.  
First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.  
Wash contaminated clothing before re-use.



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- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.
- If swallowed : 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 : No symptoms known or expected.
- Risks : Repeated exposure may cause skin dryness or cracking.

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

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

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

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

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

- Specific hazards during firefighting : 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.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known



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### 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 : Use personal protective equipment.  
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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Do not breathe vapours/dust.  
Do not smoke.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.



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Container hazardous when empty.  
Avoid exposure - obtain special instructions before use.  
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.

### 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. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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

### 7.3 Specific end use(s)

Specific use(s) : No data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

#### Personal protective equipment

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

Hand protection

Remarks : The suitability for a specific workplace should be discussed



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	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. Discard gloves that show tears, pinholes, or signs of wear.
Respiratory protection	: No personal respiratory protective equipment normally required.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: red
Odour	: oily
Odour Threshold	: No data available
pH	: Not applicable
Pour point	: < -42 °C
Boiling point/boiling range	: No data available
Flash point	: 183 °C Method: Pensky-Martens closed 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



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Relative density	: No data available
Density	: ca. 0,847 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
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: 29 mm <sup>2</sup> /s (40 °C)
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.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Product will not undergo hazardous polymerization.
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### 10.4 Conditions to avoid

Conditions to avoid	: excessive heat
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### 10.5 Incompatible materials

Materials to avoid	: Strong oxidizing agents
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### 10.6 Hazardous decomposition products





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Hazardous decomposition products : No hazardous decomposition products are known.

### 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:

##### **Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich:**

Acute oral toxicity : LD50 (Rat): > 10.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit, male): > 4.000 - 8.000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

##### Components:

##### **Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:**

Acute oral toxicity : LD50 (Rat): > 2.500 mg/kg  
Assessment: Not classified as acutely toxic by ingestion under GHS.  
Remarks: No mortality observed at this dose.



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Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Assessment: Not classified as acutely toxic by dermal absorption under GHS.  
Remarks: No mortality observed at this dose.

### Components:

#### **DODECYL HYDROXYPROPYL SULFIDE:**

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

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

### Components:

#### **ETHANOL, 2,2'-IMINOBIS-, N-TALLOW ALKYL DERIVS.:**

Acute oral toxicity :  
Assessment: The component/mixture is classified as acute oral toxicity, category 4.

### **Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

### Product:

Remarks: May cause skin irritation in susceptible persons.

Result: Repeated exposure may cause skin dryness or cracking.

### Components:

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

Species: Rabbit  
Result: No skin irritation

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

Result: Slight, transient irritation

#### **Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:**

Species: Rabbit  
Result: Mild skin irritation

#### **1,2-PROPANEDIOL, 3-AMINO, N,N-DICOCO ALKYL DERIVS.:**

Result: Slight, transient irritation

#### **DODECYL HYDROXYPROPYL SULFIDE:**

Species: Rabbit



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Result: No skin irritation

### BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS:

Result: Slight, transient irritation

### ETHANOL, 2,2'-IMINOBIS-, N-TALLOW ALKYL DERIVS.:

Result: Corrosive after 1 to 4 hours of exposure

### 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

#### HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Result: Slight, transient irritation

#### Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:

Species: Rabbit

Result: Slight, transient irritation

#### 1,2-PROPANEDIOL, 3-AMINO, N,N-DICOCO ALKYL DERIVS.:

Result: Slight, transient irritation

#### DODECYL HYDROXYPROPYL SULFIDE:

Species: Rabbit

Result: No eye irritation

### BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS:

Result: No eye irritation

### ETHANOL, 2,2'-IMINOBIS-, N-TALLOW ALKYL DERIVS.:

Result: Corrosive

### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

### Product:

Remarks: May cause allergic skin reaction.



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### Components:

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

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

#### **Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:**

Test Type: **Local lymph node assay (LLNA)**  
Assessment: **The product is a skin sensitiser, sub-category 1B.**  
Method: **OECD Test Guideline 429**

#### **1,2-PROPANEDIOL, 3-AMINO, N,N-DICOCO ALKYL DERIVS.:**

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

#### **DODECYL HYDROXYPROPYL SULFIDE:**

Test Type: **Local lymph node assay**  
Species: **Guinea pig**  
Assessment: **May cause sensitisation by skin contact.**  
Method: **OECD Test Guideline 429**

#### **BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS:**

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

#### **ETHANOL, 2,2'-IMINOBIS-, N-TALLOW ALKYL DERIVS.:**

Assessment: **Does not cause skin sensitisation.**

### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich:**

Genotoxicity in vitro : Test Type: **Chromosome aberration test in vitro**  
Test species: **Human lymphocytes**  
Metabolic activation: **with and without metabolic activation**  
Method: **OECD Test Guideline 473**  
Result: **negative**

: Test species: **Salmonella typhimurium**  
Metabolic activation: **with and without metabolic activation**  
Method: **Mutagenicity (Salmonella typhimurium - reverse mutation assay)**  
Result: **negative**

#### **Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:**

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



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Result: **negative**

## DODECYL HYDROXYPROPYL SULFIDE:

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

## Carcinogenicity

Not classified based on available information.

## Components:

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

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

### HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

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

## Reproductive toxicity

Not classified based on available information.

## Components:

### Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich:

Effects on foetal : Species: **Rat**  
development Strain: **Sprague-Dawley**  
Application Route: **Oral**  
Developmental Toxicity: **No observed adverse effect level**  
(Mating/Fertility): **>= 600**  
Method: **OECD Test Guideline 421**  
Result: **No effects on fertility and early embryonic**  
**development were detected.**

## 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.**



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## 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 ( <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	: 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: >= 1.000 mg/l Exposure time: 14 d Species: <i>Oncorhynchus mykiss</i> (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEL: 10 mg/l Exposure time: 21 d Species: <i>Daphnia</i> (water flea) Test substance: WAF



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Method: OECD Test Guideline 211

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich

Toxicity to fish : (Pimephales promelas (fathead minnow)): 4,2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4,6 mg/l  
Exposure time: 48 h

Toxicity to algae : LL50 (Desmodesmus subspicatus (green algae)): 3,5 mg/l  
End point: Biomass  
Exposure time: 72 h  
Test substance: WAF

LL50 (Desmodesmus subspicatus (green algae)): 63 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test substance: WAF

Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 610 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Test substance: WAF

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 77 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae : EL50 (Desmodesmus subspicatus (green algae)): > 160 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Test substance: WAF

1,2-PROPANEDIOL, 3-AMINO, N,N,-DICOCO ALKYL DERIVS.

Ecotoxicology Assessment

Long-term (chronic) aquatic hazard : Harmful to aquatic life with long lasting effects.

1-(tert-Dodecylthio)propan-2-ol

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,75 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other : EL50 (Daphnia magna (Water flea)): 0,58 mg/l



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aquatic invertebrates	Exposure time: 48 h Test Type: static test Test substance: WAF
Toxicity to algae	: EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 96 h Test Type: static test Test substance: WAF
M-Factor (Short-term (acute) aquatic hazard)	: 1
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEL: 0,32 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211 GLP: yes
M-Factor (Long-term (chronic) aquatic hazard)	: 1

### Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Toxicity to fish	: LC50 (Fish): < 1 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia (water flea)): < 1 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (algae): < 0,01 mg/l Exposure time: 72 h
M-Factor (Short-term (acute) aquatic hazard)	: 10
M-Factor (Long-term (chronic) aquatic hazard)	: 1

### Ecotoxicology Assessment

Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.





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## 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**

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich

Biodegradability : Result: **Not readily biodegradable.**  
Biodegradation: **9,6 %**  
Exposure time: **28 d**

Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.

Biodegradability : Result: **Readily biodegradable.**  
Biodegradation: **67 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301B**

1,2-PROPANEDIOL, 3-AMINO, N,N,-DICOCO ALKYL DERIVS.

Biodegradability : Result: **Not readily biodegradable.**

1-(tert-Dodecylthio)propan-2-ol

Biodegradability : Result: **Not readily biodegradable.**  
Biodegradation: **5 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301F**

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Biodegradability : Result: **Readily biodegradable.**  
Biodegradation: **60 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301D**

## 12.3 Bioaccumulative potential

### Components:

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich

Partition coefficient: n-octanol/water : log Pow: **1,19**

1-(tert-Dodecylthio)propan-2-ol

Partition coefficient: n-octanol/water : log Pow: **4,7 - 6,5**



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

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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.  
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.

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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

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good



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### 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.

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## 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) : 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.



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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), AIIC (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 : 000000273056

**Full text of H-Statements**

H290	May be corrosive to metals.
H302	Harmful if swallowed.



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H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
<b>H318</b>	Causes serious eye damage.
H400	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
H412	Harmful 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  
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



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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-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