



SAFETY DATA SHEET
MaxLife™ ATF Synthetic Automatic
Transmission Fluid

Version: 3.0

Revision Date: 22.04.2021

Print Date: 28/07/2021

Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS_AL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : MaxLife™ ATF
Synthetic Automatic Transmission Fluid

Product code : 807498

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

+1-800-VALVOLINE (+1-800-825-8654), 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, H412: Harmful to aquatic life with long lasting
Category 3 effects.

Long-term (chronic) aquatic hazard, H412: Harmful to aquatic life with long lasting
Category 3 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
container or label at hand.



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P102 Keep out of reach of children.
P103 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.

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

Additional advice

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|--|--|------------------------|--------------------------|
| Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based | 72623-87-1 276-738-4 649-483-00-5 01-2119474889-13-xxxx | Asp. Tox.1; H304 | >= 80,00 - < 90,00 |
| HYDROTREATED LIGHT PARAFFINIC DISTILLATE | 64742-55-8 265-158-7 649-468-00-3 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 01-2119969520-35-xxxx | Aquatic Chronic2; H411 | >= 1,00 - < 2,50 |
| Acetamide, 2-hydroxy-, N,N-dicoco | 866259-61-2 | Skin Sens.1B; | >= 0,50 - < |



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| | | | |
|---|--|---|----------------------|
| alkyl derivs. | 471-920-1 01-0000019770-68- xxxx | H317 | 1,00 |
| 1,2-PROPANEDIOL, 3-AMINO, N,N,- DICOCO ALKYL DERIVS. | Not Assigned 482-000-4 01-0000020142-86- xxxx | Skin Sens.1B; H317 Aquatic Chronic3; H412 | >= 0,25 - < 0,50 |
| DODECYL HYDROXYPROPYL SULFIDE | 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 | Not Assigned | Skin Sens.1B; H317 | >= 0,10 - < 0,50 |
| ETHANOL, 2,2'-IMINOBIS-, N- TALLOW ALKYL DERIVS. | 61791-44-4 263-177-5 | 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.
- In case of eye contact : Flush eyes with water as a precaution.



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- 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.

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 (CO₂)
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.
-

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.

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

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



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| | | |
|--------------------------|---|--|
| Remarks | : | 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. 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 |



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| | | |
|--|---|---------------------------------------|
| Relative vapour density | : | No data available |
| Relative density | : | No data available |
| Density | : | ca. 0,847 g/cm ³ (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 ² /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 : excessive heat

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents



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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 exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.
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



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GHS.
Remarks: **No mortality observed at this dose.**

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

Not classified based on available information.
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.:



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Result: Slight, transient irritation

DODECYL HYDROXYPROPYL SULFIDE:

Species: Rabbit

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.

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.



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Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Product:

Remarks: May cause allergic skin reaction.

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.
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**



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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**
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.
Not classified based on available information.

Components:

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

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

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

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.
Not classified based on available information.

Components:

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

Effects on foetal development : Species: **Rat**
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.



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Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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 (<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 |



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| | |
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| | 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 |

| | |
|--|---|
| 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.



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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 aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 0,58 mg/l
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) : 1



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(chronic) aquatic hazard)

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.**

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:



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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

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

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.

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.

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



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14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : 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



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Other regulations:

Decision of Council of Ministers No. 488 of 29.6.2016 "On the classification, packaging and labelling of chemicals"

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

SECTION 16: Other information

Full text of H-Statements

| | | |
|------|---|---|
| H290 | : | May be corrosive to metals. |
| H302 | : | Harmful if swallowed. |
| H304 | : | May be fatal if swallowed and enters airways. |
| H314 | : | Causes severe skin burns and eye damage. |
| H317 | : | May cause an allergic skin reaction. |
| H318 | : | Causes serious eye damage. |
| H400 | : | Very toxic to aquatic life. |



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- H410 : Very toxic to aquatic life with long lasting effects.
H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

- Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard
Eye Dam. : Serious eye damage
Met. Corr. : Corrosive to metals
Skin Corr. : Skin corrosion
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information : 000000273056



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Classification of the mixture:

Aquatic Chronic 3 H412

Classification procedure:

Calculation method

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