



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as  
amended by Commission Regulation (EU)  
2020/878

Valvoline™ AUTOMATIC TRANSMISSION  
CLNR

Version: 6.0

Revision Date: 01.08.2024

Print Date: 14/10/2026

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

#### 1.1 Product identifier

Trade name : Valvoline™ AUTOMATIC TRANSMISSION CLNR

Product code : 887452

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cleaner.

#### 1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline Global  
Operations  
Wieldrechtseweg 39  
3316 BG Dordrecht  
Netherlands

Telephone : +31 (0)78 654 3500 (in the Netherlands), or contact your local  
CSR contact person

E-mail address of person : SDS@valvolineglobal.com  
responsible for the SDS

#### 1.4 Emergency telephone number

+1-800-VALVOLINE (+1-800-825-8654), or contact your local emergency telephone number  
at 112

### 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.



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Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

### Prevention:

P273 Avoid release to the environment.  
P280 Wear protective gloves.

### 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.

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name                                                                 | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification    | Concentration<br>(% w/w) |
|-------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|--------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified | 64742-54-7<br>265-157-1<br>649-467-00-8               | Asp. Tox. 1; H304 | >= 90 - <= 100           |



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|-------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                                                               | 01-2119484627-25-xxxx                                            |                                                                                                                                                                                                                                                |                  |
| Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified | 64742-55-8<br>265-158-7<br>649-468-00-3<br>01-2119487077-29-xxxx | Asp. Tox. 1; H304                                                                                                                                                                                                                              | >= 2,5 - < 5     |
| Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.                               | 866259-61-2<br>471-920-1<br>01-0000019770-68-xxxx                | Skin Sens. 1B; H317                                                                                                                                                                                                                            | >= 0,5 - < 1     |
| 1,2-PROPANEDIOL, 3-AMINO, N,N,-DICOCO ALKYL DERIVS.                           | 897393-64-5<br>482-000-4<br>01-0000020142-86-xxxx                | Skin Sens. 1B; H317<br>Aquatic Chronic 3; H412                                                                                                                                                                                                 | >= 0,5 - < 1     |
| 1-(tert-dodecylthio)propan-2-ol                                               | 67124-09-8<br>266-582-5<br>01-2119953277-30-xxxx                 | Skin Sens. 1; H317<br>Aquatic Acute 1; H400<br><del>Aquatic Chronic 1; H410</del><br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 1<br><br>specific concentration limit<br>Skin Sens. 1; H317 > 14,2 %         | >= 0,5 - < 1     |
| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol           | 1218787-32-6<br><br>01-2119510877-33-xxxx                        | Acute Tox. 4; H302<br>Skin Corr. 1C; H314<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400<br><del>Aquatic Chronic 2; H411</del><br>M-Factor (Acute aquatic toxicity): 10<br>M-Factor (Chronic aquatic toxicity): 1<br><br>Acute toxicity estimate | >= 0,025 - < 0,1 |



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|                                                |                                               |                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
|------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 95-38-5<br>202-414-9<br>01-2119777867-13-xxxx | Acute oral toxicity:<br>1.200 mg/kg<br>Acute Tox. 4; H302<br>Skin Corr. 1C;<br>H314<br>Eye Dam. 1; H318<br>STOT RE 2; H373<br>(Gastrointestinal tract, thymus gland)<br>Aquatic Acute 1;<br>H400<br><del>Aquatic Chronic 1;</del><br>H410<br>M-Factor (Acute aquatic toxicity): 10<br>M-Factor (Chronic aquatic toxicity): 1<br><hr/> Acute toxicity estimate<br><br>Acute oral toxicity:<br>1.265 mg/kg | >= 0,025 - < 0,1 |
|------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|

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 unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- 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.



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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.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

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

Treatment : No hazards which require special first aid measures.  
  
Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

### 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

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
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.

#### 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

See sections: 7, 8, 11, 12 and 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
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.  
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.

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 : Keep container tightly closed in a dry and well-ventilated



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areas and containers

place. Containers which are opened must be carefully  
resealed and kept upright to prevent leakage. Electrical  
installations / working materials must comply with the  
technological safety standards.

Further information on  
storage stability

: No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s)

: No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                                                                    | CAS-No.    | Value type (Form of exposure) | Control parameters | Basis  |
|-------------------------------------------------------------------------------|------------|-------------------------------|--------------------|--------|
| Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified | 64742-54-7 | TWA (Particles (mist))        | 1 mg/m3            | IS OEL |
| Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified | 64742-55-8 | TWA (Particles (mist))        | 1 mg/m3            | IS OEL |

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                                 | End Use                                 | Exposure routes | Potential health effects   | Value      |
|------------------------------------------------|-----------------------------------------|-----------------|----------------------------|------------|
| 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | Workers                                 | Inhalation      | Long-term systemic effects | 0,46 mg/m3 |
|                                                | Remarks:RD TOX - Repeated dose toxicity |                 |                            |            |
|                                                | Workers                                 | Inhalation      | Acute systemic effects     | 14 mg/m3   |
|                                                | Remarks:RD TOX - Repeated dose toxicity |                 |                            |            |
|                                                | Workers                                 | Dermal          | Long-term systemic effects | 0,06 mg/kg |
|                                                | Remarks:RD TOX - Repeated dose toxicity |                 |                            |            |
|                                                | Workers                                 | Dermal          | Acute systemic effects     | 2 mg/kg    |



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Remarks: RD TOX - Repeated dose toxicity

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                                 | Environmental Compartment | Value        |
|------------------------------------------------|---------------------------|--------------|
| 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | Sewage treatment plant    | 0,27 mg/l    |
|                                                | Fresh water sediment      | 0,376 mg/kg  |
|                                                | Marine sediment           | 0,0376 mg/kg |
|                                                | Soil                      | 0,075 mg/kg  |

## 8.2 Exposure controls

### Personal protective equipment

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

Hand protection

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

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

Respiratory protection : No personal respiratory protective equipment normally  
required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Colour : amber  
Odour : oily  
Odour Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : 150 °C

Flammability : No data available

Upper explosion limit / Upper flammability limit : 7 %(V)

Lower explosion limit / Lower flammability limit : 0,9 %(V)



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|                                        |   |                                     |
|----------------------------------------|---|-------------------------------------|
| Flash point                            | : | > 100 °C<br>Method: ISO 3679        |
| Decomposition temperature              | : | No data available                   |
| pH                                     | : | Not applicable                      |
| Viscosity                              |   |                                     |
| Viscosity, dynamic                     | : | No data available                   |
| Viscosity, kinematic                   | : | 34,5 mm <sup>2</sup> /s (40 °C)     |
| Solubility(ies)                        |   |                                     |
| Water solubility                       | : | insoluble                           |
| Solubility in other solvents           | : | No data available                   |
| Partition coefficient: n-octanol/water | : | No data available                   |
| Vapour pressure                        | : | No data available                   |
| Relative density                       | : | No data available                   |
| Density                                | : | ca. 0,842 g/cm <sup>3</sup> (20 °C) |
| Relative vapour density                | : | No data available                   |
| Particle characteristics               |   |                                     |
| Particle size                          | : | Not applicable                      |

### 9.2 Other information

|                      |   |                   |
|----------------------|---|-------------------|
| Oxidizing properties | : | No data available |
| Self-ignition        | : | No data available |
| Evaporation rate     | : | No data available |

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.



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### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 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

No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified due to lack of data.

#### Components:

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

Acute oral toxicity : LD50 (Rat): > 2.500 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: No mortality observed at this dose.

##### 1-(tert-dodecylthio)propan-2-ol:

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

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity



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### **2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:**

Acute oral toxicity : LD50 (Rat, female): 1.200 mg/kg  
Method: OECD Test Guideline 425

Acute toxicity estimate: 1.200 mg/kg  
Method: Calculation method

### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

Acute oral toxicity : LD50 (Rat): ca. 1.265 mg/kg

### **Skin corrosion/irritation**

Not classified due to lack of data.

### **Product:**

Remarks : May cause skin irritation and/or dermatitis.

### **Components:**

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Assessment : Slight, transient irritation  
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.:**

Assessment : Mild skin irritation  
Result : Mild skin irritation

#### **1-(tert-dodecylthio)propan-2-ol:**

Species : Rabbit  
Result : No skin irritation

### **2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:**

Result : Corrosive after 1 to 4 hours of exposure

### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

Species : Rabbit



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Method : OECD Test Guideline 404  
Result : Corrosive after 1 to 4 hours of exposure

### Serious eye damage/eye irritation

Not classified due to lack of data.

#### Product:

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

#### Components:

##### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Assessment : Slight, transient irritation  
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.:**

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

##### **1-(tert-dodecylthio)propan-2-ol:**

Species : Rabbit  
Result : No eye irritation

##### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

Result : Corrosive

### Respiratory or skin sensitisation

#### **Skin sensitisation**

Not classified due to lack of data.

#### **Respiratory sensitisation**

Not classified due to lack of data.

#### Product:

Remarks : Causes sensitisation.



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### Components:

#### **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.

#### **1-(tert-dodecylthio)propan-2-ol:**

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

#### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

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

### **Germ cell mutagenicity**

Not classified due to lack of data.

### Components:

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

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

#### **1-(tert-dodecylthio)propan-2-ol:**

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

### **Carcinogenicity**

Not classified due to lack of data.



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### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

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

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

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

#### **Reproductive toxicity**

Not classified due to lack of data.

#### **STOT - single exposure**

Not classified due to lack of data.

#### **STOT - repeated exposure**

Not classified due to lack of data.

### Components:

#### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

Exposure routes : Ingestion  
Target Organs : Gastrointestinal tract, thymus gland  
Assessment : May cause damage to organs through prolonged or repeated exposure.

#### **Aspiration toxicity**

Not classified due to lack of data.

### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

May be fatal if swallowed and enters airways.

#### **Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### Product:

Assessment : The substance/mixture does not contain components



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considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Further information

#### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

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

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

|                                                     |   |                                                                                                                                   |
|-----------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : | LL50 (Oncorhynchus mykiss (rainbow trout)): 610 mg/l<br>Exposure time: 96 h<br>Test Type: semi-static test<br>Test substance: WAF |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 77 mg/l<br>Exposure time: 48 h<br>Test Type: static test                                       |
| Toxicity to algae/aquatic                           | : | EL50 (Desmodesmus subspicatus (green algae)): > 160 mg/l                                                                          |



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plants  
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

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : 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/aquatic plants : EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: WAF

M-Factor (Acute aquatic toxicity) : 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 (Chronic aquatic toxicity) : 1

#### 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,1 mg/l  
Exposure time: 96 h



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Test Type: semi-static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0,043 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): 0,0867  
plants  
mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)):  
0,0156 mg/l  
Exposure time: 72 h

M-Factor (Acute aquatic : 10  
toxicity)

Toxicity to daphnia and other : EC50: 0,0463 mg/l  
aquatic invertebrates  
Exposure time: 21 d  
(Chronic toxicity) Species: Daphnia magna (Water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic : 1  
toxicity)

### 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,3 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0,163 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 0,03 mg/l  
plants  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201



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M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

### 12.2 Persistence and degradability

#### Components:

##### **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

##### **2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:**

Biodegradability : Inoculum: activated sludge  
Concentration: 2,7 mg/l  
Result: Readily biodegradable.  
Biodegradation: 63 %  
Related to: Chemical oxygen demand  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

##### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 1 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B



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### 12.3 Bioaccumulative potential

#### Components:

##### **1-(tert-dodecylthio)propan-2-ol:**

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

##### **2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol:**

Partition coefficient: n- : log Pow: 8  
octanol/water

### 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 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life.  
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



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- 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.  
Do not re-use empty containers.
- Waste Code : The Waste code should be assigned in discussion between  
the user and the waste disposal company.  
The following Waste Codes are only suggestions:  
13 02 06, synthetic engine, gear and lubricating oils

### SECTION 14: Transport information

#### 14.1 UN number or ID number

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA\_P : Not regulated as a dangerous good

#### 14.2 UN proper shipping name

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA\_P : Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA\_P : Not regulated as a dangerous good

#### 14.4 Packing group

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA\_P (Passenger) : Not regulated as a dangerous good



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### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

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

|                                                                                                                                                         |   |                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)              | : | Conditions of restriction for the following entries should be considered:<br>Number on list 75, 3                                                                                                                                                                             |
|                                                                                                                                                         |   | If you intend to use this product as tattoo ink, please contact your vendor.                                                                                                                                                                                                  |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).                                                               | : | Not applicable                                                                                                                                                                                                                                                                |
| REACH - List of substances subject to authorisation (Annex XIV)                                                                                         | : | Not applicable                                                                                                                                                                                                                                                                |
| Regulation (EC) on substances that deplete the ozone layer                                                                                              | : | Not applicable                                                                                                                                                                                                                                                                |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast)                                                                                     | : | 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. |   |                                                                                                                                                                                                                                                                               |
| 34                                                                                                                                                      |   | Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as |



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regards flammability and  
environmental hazards as  
the products referred to in  
points (a) to (d)  
according to Detergents : 30 % and more: Aliphatic hydrocarbons  
Regulation EC 648/2004

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

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not  
on the Canadian DSL nor NDSL.  
  
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.  
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)  
diethanol  
Proprietary of ATF SYSTEM CLEANER

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

### 15.2 Chemical safety assessment

No data available

#### Inventories

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)

## SECTION 16: Other information

### Full text of H-Statements

H302 : Harmful if swallowed.  
H304 : May be fatal if swallowed and enters airways.



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|      |   |                                                                                 |
|------|---|---------------------------------------------------------------------------------|
| H314 | : | Causes severe skin burns and eye damage.                                        |
| H317 | : | May cause an allergic skin reaction.                                            |
| H318 | : | Causes serious eye damage.                                                      |
| H373 | : | May cause damage to organs through prolonged or repeated exposure if swallowed. |
| H400 | : | Very toxic to aquatic life.                                                     |
| 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                                   |
| Skin Corr.      | : | Skin corrosion                                       |
| Skin Sens.      | : | Skin sensitisation                                   |
| STOT RE         | : | Specific target organ toxicity - repeated exposure   |
| IS OEL          | : | Iceland. Regulation on occupational exposure limits. |
| IS OEL / TWA    | : | Long term exposure limit                             |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; 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



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(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; TECI - Thailand Existing Chemicals 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 : 000000274956

#### Classification of the mixture:

Aquatic Chronic 3

H412

#### Classification procedure:

Calculation method

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.

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