

# LOCTITE 574

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 23/07/2025 Revision date: 10/04/2025 Supersedes: 04/12/2024 Version: 16.0  
SDS No: 114576-0287



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : LOCTITE 574  
UFI : DEQN-WWNP-R202-626J  
Product code : S.14952

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Anaerobic sealant

##### 1.2.2. Uses advised against

No additional information available

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

##### Distributor

Sparex Limited c/o AGCO SAS  
AGCO ENNERY PACKAGING CENTER  
5299 RUE THOMAS EDISON (BAT. C)  
57365 ENNERY  
FRANCE  
T +33 387724100

[Sparex@gbk-ingelheim.de](mailto:Sparex@gbk-ingelheim.de), [www.sparex.com](http://www.sparex.com)

E-mail address of competent person responsible for the SDS: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

##### Manufacturer

Henkel AG & Co. KGaA  
Henkelstr. 67  
40589 Düsseldorf  
Germany  
T +49 211 797 0, F +49 211 798 2009  
[ua-productsafety.de@henkel.com](mailto:ua-productsafety.de@henkel.com)

#### 1.4. Emergency telephone number

Emergency number : Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitisation, Category 1 H317

Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Contains :

Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl]

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|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H317 - May cause an allergic skin reaction.<br>H412 - Harmful to aquatic life with long lasting effects.   |
| Precautionary statements (CLP) | : P273 - Avoid release to the environment.<br>P280 - Wear protective gloves.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name   | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|--|------------------|--|
| Decan-1-ol   | CAS-No.: 112-30-1<br>EC-No.: 203-956-9   | $\geq 5 - < 10$  | Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412  |
| $\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide; cumene hydroperoxide  | CAS-No.: 80-15-9<br>EC-No.: 201-254-7<br>EC Index-No.: 617-002-00-8                                | $\geq 0.1 - < 1$ | Org. Perox. E, H242<br>Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h)<br>Skin Corr. 1B, H314<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411 |
| 2'-phenylacetohydrazide  | CAS-No.: 114-83-0<br>EC-No.: 204-055-3<br>REACH-no: 01-2120951382-56                               | $\geq 0.1 - < 1$ | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)   |
| Maleic acid  | CAS-No.: 110-16-7<br>EC-No.: 203-742-5<br>EC Index-No.: 607-095-00-3<br>REACH-no: 01-2119488705-25 | $\geq 0.1 - < 1$ | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H335  |
| Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl] | EC-No.: 701-269-3  | $\geq 0.1 - < 1$ | Skin Sens. 1, H317   |

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| Name  | Product identifier  | %              | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|---|----------------|--|
| 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride | CAS-No.: 3068-39-1<br>EC-No.: 221-326-1<br>REACH-no: 01-2120107344-68 | ≥ 0.01 – < 0.1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.05 mg/l/4h)<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1) |
| 1,4-naphthoquinone  | CAS-No.: 130-15-4<br>EC-No.: 204-977-6                                | ≥ 0.01 – < 0.1 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Inhalation), H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410                      |

| Specific concentration limits:                          |  |   |
|---|--|---|
| Name  | Product identifier   | Specific concentration limits (%)   |
| α, α-dimethylbenzyl hydroperoxide; cumene hydroperoxide | CAS-No.: 80-15-9<br>EC-No.: 201-254-7<br>EC Index-No.: 617-002-00-8                                | (1 ≤ C < 3) Eye Irrit. 2; H319<br>(1 ≤ C < 10) STOT SE 3; H335<br>(3 ≤ C < 10) Eye Dam. 1; H318<br>(3 ≤ C < 10) Skin Irrit. 2; H315<br>(10 ≤ C ≤ 100) Skin Corr. 1B; H314 |
| Maleic acid   | CAS-No.: 110-16-7<br>EC-No.: 203-742-5<br>EC Index-No.: 607-095-00-3<br>REACH-no: 01-2119488705-25 | (0.1 ≤ C ≤ 100) Skin Sens. 1; H317  |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. Redness. Skin rash/inflammation. |
| Symptoms/effects after eye contact  | : Prolonged or repeated skin contact can cause irritation.              |

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>). Silicon dioxide.

#### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Contain the extinguishing fluids by bunding. Do not allow run-off from fire fighting to enter drains or water courses.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters. Do not allow to enter drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Avoid contact with eyes, skin or mucous membrane.  
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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### 7.2. Conditions for safe storage, including any incompatibilities

|                              |   |
|------------------------------|---|
| Technical measures           | : Keep in a cool, well-ventilated place away from heat.                     |
| Storage conditions           | : Store in a well-ventilated place. Keep cool. Store locked up.             |
| Information on mixed storage | : Keep away from food, drink and animal feeding stuffs.                     |
| Storage area                 | : Protect from moisture.  |
| Packaging materials          | : Store always product in container of same material as original container. |

### 7.3. Specific end use(s)

See Section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| <b><math>\alpha</math>, <math>\alpha</math>-dimethylbenzyl hydroperoxide; cumene hydroperoxide (80-15-9)</b>                                |                         |
|---|-------------------------|
| <b>DNEL/DMEL (Workers)</b>  |                         |
| Long-term - systemic effects, inhalation  | 6 mg/m <sup>3</sup>     |
| <b>PNEC (Water)</b>   |                         |
| PNEC aqua (freshwater)  | 0.0031 mg/l             |
| PNEC aqua (marine water)  | 0.00031 mg/l            |
| PNEC aqua (intermittent, freshwater)  | 0.031 mg/l              |
| <b>PNEC (Sediment)</b>  |                         |
| PNEC sediment (freshwater)  | 0.023 mg/kg dwt         |
| PNEC sediment (marine water)  | 0.0023 mg/kg dwt        |
| <b>PNEC (Soil)</b>  |                         |
| PNEC soil   | 0.0029 mg/kg dwt        |
| <b>PNEC (STP)</b>   |                         |
| PNEC sewage treatment plant   | 0.35 mg/l               |
| <b>Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl]</b> |                         |
| <b>DNEL/DMEL (Workers)</b>  |                         |
| Acute - systemic effects, inhalation  | 35.24 mg/m <sup>3</sup> |
| Acute - local effects, inhalation   | 3.35 mg/m <sup>3</sup>  |
| Long-term - systemic effects, inhalation  | 35.24 mg/m <sup>3</sup> |
| Long-term - local effects, inhalation   | 3.35 mg/m <sup>3</sup>  |
| <b>DNEL/DMEL (General population)</b>   |                         |
| Acute - systemic effects, inhalation  | 8.69 mg/m <sup>3</sup>  |

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| <b>Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl]</b> |                           |
|---|---------------------------|
| Acute - systemic effects, oral  | 5 mg/kg bodyweight/day    |
| Acute - local effects, inhalation   | 0.83 mg/m <sup>3</sup>    |
| Long-term - systemic effects, oral  | 5 mg/kg bodyweight/day    |
| Long-term - systemic effects, inhalation  | 8.69 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation   | 0.83 mg/m <sup>3</sup>    |
| <b>PNEC (STP)</b>   |                           |
| PNEC sewage treatment plant   | 0.1 mg/l                  |
| <b>3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylum chloride (3068-39-1)</b>   |                           |
| <b>DNEL/DMEL (Workers)</b>  |                           |
| Acute - systemic effects, dermal  | 0.06 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation  | 0.2 mg/m <sup>3</sup>     |
| Acute - local effects, dermal   | 0.25 mg/cm <sup>2</sup>   |
| Long-term - systemic effects, dermal  | 0.02 mg/kg bodyweight/day |
| Long-term - local effects, dermal   | 0.125 mg/cm <sup>2</sup>  |
| Long-term - systemic effects, inhalation  | 0.06 mg/m <sup>3</sup>    |
| <b>PNEC (Water)</b>   |                           |
| PNEC aqua (freshwater)  | 0.000023 mg/l             |
| PNEC aqua (marine water)  | 0.0000023 mg/l            |
| PNEC aqua (intermittent, freshwater)  | 0.00023 mg/l              |
| PNEC aqua (intermittent, marine water)  | 0.000023 mg/l             |
| <b>PNEC (Sediment)</b>  |                           |
| PNEC sediment (freshwater)  | 0.989 mg/kg dwt           |
| PNEC sediment (marine water)  | 0.0989 mg/kg dwt          |
| <b>PNEC (Soil)</b>  |                           |
| PNEC soil   | 0.198 mg/kg dwt           |
| <b>PNEC (Oral)</b>  |                           |
| PNEC oral (secondary poisoning)   | 0.1 mg/kg food            |
| <b>PNEC (STP)</b>   |                           |
| PNEC sewage treatment plant   | 0.33 mg/l                 |
| <b>1,4-naphthoquinone (130-15-4)</b>  |                           |
| <b>DNEL/DMEL (Workers)</b>  |                           |
| Long-term - systemic effects, inhalation  | 0.0329 mg/m <sup>3</sup>  |
| <b>PNEC (Water)</b>   |                           |
| PNEC aqua (freshwater)  | 26.1 ng/l                 |
| PNEC aqua (marine water)  | 2.61 ng/l                 |
| PNEC aqua (intermittent, freshwater)  | 261 ng/l                  |
| PNEC aqua (intermittent, marine water)  | 26.1 ng/l                 |

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| 1,4-naphthoquinone (130-15-4) |               |
|-------------------------------|---------------|
| <b>PNEC (Sediment)</b>        |               |
| PNEC sediment (freshwater)    | 321 ng/kg dw  |
| PNEC sediment (marine water)  | 32.1 ng/kg dw |
| <b>PNEC (Soil)</b>            |               |
| PNEC soil                     | 49 ng/kg dw   |
| <b>PNEC (STP)</b>             |               |
| PNEC sewage treatment plant   | 0.172 mg/l    |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Protective goggles (EN 166)

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Chemically resistant protective gloves. Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

| Hand protection   |                |                   |                |             |            |
|-------------------|----------------|-------------------|----------------|-------------|------------|
| Type              | Material       | Permeation        | Thickness (mm) | Penetration | Standard   |
| protective gloves | Nitrile rubber | 6 (> 480 minutes) | 0,4            |             | EN ISO 374 |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

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

|   |                               |
|---|-------------------------------|
| Physical state                                  | : Liquid                      |
| Colour  | : light orange                |
| Odour   | : Mild. acrylic               |
| Odour threshold                                 | : Not available               |
| Melting point                                   | : Not available               |
| Freezing point                                  | : Not available               |
| Boiling point                                   | : > 150 °C (> 302 °F)         |
| Flammability                                    | : Not available               |
| Lower explosive limit (LEL)                     | : Not available               |
| Upper explosive limit (UEL)                     | : Not available               |
| Flash point                                     | : > 100 °C (> 212 °F)         |
| Auto-ignition temperature                       | : > 300 °C                    |
| Decomposition temperature                       | : Not applicable              |
| pH  | : Not available               |
| Viscosity, kinematic                            | : > 20.5 mm <sup>2</sup> /s   |
| Solubility                                      | : Water: partly soluble       |
| Partition coefficient n-octanol/water (Log Kow) | : Not available               |
| Vapour pressure                                 | : < 0.13 mbar 20°C            |
| Vapour pressure at 50°C                         | : Not available               |
| Density   | : 1.15 g/cm <sup>3</sup> 20°C |
| Relative density                                | : > 1                         |
| Relative vapour density at 20°C                 | : Not available               |
| Particle characteristics                        | : Not applicable              |

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

No additional information available

##### 9.2.2. Other safety characteristics

|                        |  |
|------------------------|--|
| VOC content            | : < 3 % DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL |
| Additional information | : Solidifying temperature < -30 °C (< -22 °F)                              |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with (strong) oxidizers. Acids. Strong bases.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Heat.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Rapid polymerization can lead to excessive heat and pressure build-up. Chlorinated hydrocarbons. Nitrogen oxides.

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### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| <b><math>\alpha</math>, <math>\alpha</math>-dimethylbenzyl hydroperoxide; cumene hydroperoxide (80-15-9)</b> |   |
|--|---|
| LC50 Inhalation - Rat [ppm]  | 220 ppm Animal: rat, Animal sex: male, Remarks on results: other: |

| <b>2'-phenylacetohydrazide (114-83-0)</b> |           |
|---|-----------|
| LD50 oral rat                             | 310 mg/kg |

| <b>Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl]</b> |   |
|---|---|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method) |
| LC50 Inhalation - Rat   | > 5.05 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)   |

| <b>3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride (3068-39-1)</b> |   |
|--|---|
| LC50 Inhalation - Rat  | 0.05 – 0.5 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity), Guideline: other: |

| <b>1,4-naphthoquinone (130-15-4)</b> |  |
|--------------------------------------|--|
| LD50 oral rat                        | 124 mg/kg bodyweight (OECD 401 method) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

| <b>Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl]</b> |  |
|---|--|
| NOAEL (animal/female, F0/P)   | $\geq$ 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) |

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

| <b>1,4-naphthoquinone (130-15-4)</b> |                                      |
|--------------------------------------|--------------------------------------|
| NOAEL (oral, rat, 90 days)           | 2 mg/kg bodyweight (OECD 422 method) |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

#### 11.2. Information on other hazards

##### 11.2.1. Endocrine disrupting properties

No additional information available

##### 11.2.2. Other information

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

- Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Toxic to aquatic life with long lasting effects.
- Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
- Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

| <b><math>\alpha</math>, <math>\alpha</math>-dimethylbenzyl hydroperoxide; cumene hydroperoxide (80-15-9)</b>                                |  |
|---|--|
| LC50 fish 1   | 3.9 mg/l Oncorhynchus mykiss (Rainbow trout)   |
| EC50 Daphnia 1  | 18.84 mg/l Test organisms (species): Daphnia magna   |
| <b>Reaction mass of N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide), Octadecanamide, 12-hydroxy-N-[2-[(1-oxooctadecyl)amino]ethyl]</b> |  |
| EC50 72h - Algae [1]  | > 100 mg/l Test organisms (species): other:  |
| NOEC (chronic)  | $\geq$ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| <b>3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride (3068-39-1)</b>  |  |
| LC50 fish 1   | 6.85 mg/l Test organisms (species): Leuciscus idus   |
| EC50 Daphnia 1  | 1 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]  | 0.023 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]  | 0.016 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <b>1,4-naphthoquinone (130-15-4)</b>  |  |
| LC50 fish 1   | 0.0448 mg/l Oryzias latipes (Ricefish)   |
| EC50 Daphnia 1  | 0.0261 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 0.42 mg/l Pseudokirchneriella subcapitata  |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |  |
|--|--|
| Regional waste regulation                  | : Disposal must be done according to official regulations.   |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.        |
| Product/Packaging disposal recommendations | : Packaging that is not properly emptied must be disposed of as the unused product.                  |
| European List of Waste (LoW, EC 2000/532)  | : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

##### Rail transport

Not regulated

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

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation (EU) 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation (EU) 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

###### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

###### VOC Directive (2004/42)

VOC content : < 3 % DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

###### Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : Not subject to the Seveso III Directive

###### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### Abbreviations and acronyms:

|       |   |
|-------|---|
| ACGIH | American Conference of Government Industrial Hygienists   |
| 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             |
| OEL   | Occupational Exposure Limit   |
| ATE   | Acute Toxicity Estimate   |
| BCF   | Bioconcentration factor   |
| BLV   | Biological limit value  |
| BOD   | Biochemical oxygen demand (BOD)   |

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| <b>Abbreviations and acronyms:</b> |  |
|------------------------------------|--|
| CAS-No.                            | Chemical Abstract Service number   |
| CLP                                | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  |
| COD                                | Chemical oxygen demand (COD)   |
| CSA                                | Chemical safety assessment   |
| DMEL                               | Derived Minimal Effect level   |
| DNEL                               | Derived-No Effect Level  |
| EC-No.                             | European Community number  |
| EC50                               | Median effective concentration   |
| ED                                 | Endocrine disruptor  |
| EN                                 | European Standard  |
| EWC                                | European waste catalogue   |
| IARC                               | International Agency for Research on Cancer                                  |
| IATA                               | International Air Transport Association                                      |
| IMDG                               | International Maritime Dangerous Goods                                       |
| LC50                               | Median lethal concentration  |
| LD50                               | Median lethal dose   |
| LOAEL                              | Lowest Observed Adverse Effect Level   |
| Log Kow                            | Partition coefficient n-octanol/water (Log Kow)                              |
| Log Pow                            | Partition coefficient n-octanol/water (Log Pow)                              |
| MAK                                | maximum workplace concentration  |
| N.O.S.                             | Not Otherwise Specified  |
| NOAEC                              | No-Observed Adverse Effect Concentration                                     |
| NOAEL                              | No-Observed Adverse Effect Level   |
| NOEC                               | No-Observed Effect Concentration   |
| OECD                               | Organisation for Economic Co-operation and Development                       |
| OSHA                               | Occupational Safety & Health Administration                                  |
| PBT                                | Persistent Bioaccumulative Toxic   |
| PNEC                               | Predicted No-Effect Concentration  |
| PPE                                | Personal protection equipment  |
| RID                                | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                                | Safety Data Sheet  |
| STP                                | Sewage treatment plant   |
| TF                                 | Technical function   |
| ThOD                               | Theoretical oxygen demand (ThOD)   |
| TLM                                | Median Tolerance Limit   |
| TWA                                | Time Weighted Average  |
| UFI                                | Unique Formula Identifier  |
| VOC                                | Volatile Organic Compounds   |

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| Abbreviations and acronyms: |   |
|-----------------------------|---|
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| ADG                         | Transport of Australian Dangerous Goods   |
| DOT                         | Department of Transport   |
| GHS                         | Globally Harmonized System of Classification, Labelling and Packaging of Chemicals                  |
| IBC-Code                    | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| MARPOL 73/78                | MARPOL 73/78: International Convention for the Prevention of Pollution From Ships                   |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006   |
| TDG                         | Transportation of Dangerous Goods   |

Other information : Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 2 (Inhalation)           | Acute toxicity (inhal.), Category 2  |
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2   |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3  |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1                            |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1                          |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2                          |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3                          |
| Carc. 2                             | Carcinogenicity, Category 2  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| Org. Perox. E                       | Organic Peroxides, Type E  |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Corr. 1C                       | Skin corrosion/irritation, Category 1, Sub-Category 1C                                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| Skin Sens. 1B                       | Skin sensitisation, category 1B  |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2                             |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H242                                | Heating may cause a fire.  |
| H301                                | Toxic if swallowed.  |
| H302                                | Harmful if swallowed.  |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| H312                                | Harmful in contact with skin.                                      |
| H314                                | Causes severe skin burns and eye damage.                           |
| H315                                | Causes skin irritation.  |
| H317                                | May cause an allergic skin reaction.                               |
| H318                                | Causes serious eye damage.   |
| H319                                | Causes serious eye irritation.                                     |
| H330                                | Fatal if inhaled.  |
| H335                                | May cause respiratory irritation.                                  |
| H351                                | Suspected of causing cancer.                                       |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| 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.                 |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Skin Sens. 1  | H317 | Calculation method |
| Aquatic Chronic 3   | H412 | Calculation method |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.