**Conforms to EU Regulation 1907/2006/EC as amended.**

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

### 1.1 Product identifier

Trade name : COMFORT PROFESSIONAL DEOSOFT CONCENTRATED

Unique Formula Identifier (UFI) : QQQ5-G0AS-M00A-Y1QA

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

Use of the Substance/Mixture : Laundry conditioner
Uses other than those identified are not recommended

**Sector-specific worker exposure**

AISE_SWED_PW_4_1

AISE_SWED_PW_8b_2

PC35 Washing and cleaning products

AISE_SWED_PW_1_1

AISE_SWED_PW_4_1

PC35 Washing and cleaning products

| **1.3 Details of the supplier of the safety data sheet** | **1.4 Emergency telephone** |
|---|---|
| Unilever Europe BV (UPro), Rodezand 90, 3011 AN Rotterdam, NL<br><br>**E-mail address of person responsible for the SDS:**<br>HazardCommunication@solenis.com<br><br>**Product Information** | Seek medical advice (show the label or safety data sheet where possible), National Poisons Information Centre Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals) |

| | |
|---|---|
| 01 8081808<br><br>dublin.orders@solenis.com | |

## 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

**Labeling (REGULATION (EC) No 1272/2008)**

| | | | |
|---|---|---|---|
| Hazard Statements | : | H412 | Harmful to aquatic life with long lasting effects. |
| Precautionary Statements | : | P102<br>P501 | Keep out of reach of children.<br>Dispose of contents and container in accordance with local, regional, national, international regulations. |

**Additional Labeling**

| | |
|---|---|
| EUH208 | Contains Heptanal, 2-(phenylmethylene)-, (E)-, 2-benzylideneheptanal, alpha-hexylcinnamaldehyde, hexyl salicylate, 1,2-benzisothiazol-3(2H)-one. 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>Registration number | Classification | Concentration (% w/w) |
|---|---|---|---|
| Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized | 1335202-88-4<br>931-203-0 | Aquatic Chronic 3; H412 | >= 10 - < 15 |
| propan-2-ol | 67-63-0<br>200-661-7<br>01-2119457558-25-xxxx | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336 (Central nervous system) | >= 1 - < 2,5 |
| Heptanal, 2-(phenylmethylene)-, (E)- | 78605-96-6 | Skin Sens. 1B; H317<br>Aquatic Chronic 1; H410<br><br>M-Factor (Chronic aquatic toxicity): 1 | >= 0,1 - < 0,25 |
| 2-benzylideneheptanal | 122-40-7<br>204-541-5 | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317<br>Aquatic Chronic 2; H411 | >= 0,1 - < 0,25 |
| alpha-hexylcinnamaldehyde | 101-86-0<br>202-983-3 | Skin Sens. 1B; H317<br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411 | >= 0,1 - < 0,25 |
| hexyl salicylate | 6259-76-3<br>228-408-6 | Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; | >= 0,1 - < 0,25 |

| | | | |
|---|---|---|---|
| | | H410<br>---<br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 1 | |
| Octanal, 2-(phenylmethylene)-, (E)- | 165184-98-5 | Acute Tox. 4; H332<br>Skin Irrit. 2; H315<br>Skin Sens. 1B; H317<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>---<br>M-Factor (Acute aquatic toxicity): 10<br>M-Factor (Chronic aquatic toxicity): 10 | >= 0,025 - < 0,1 |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5<br>220-120-9 | Acute Tox. 4; H302<br>Acute Tox. 2; H330<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>---<br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 1<br>---<br>specific concentration limit<br>Skin Sens. 1A; H317<br>>= 0,036 %<br>---<br>Acute toxicity estimate<br><br>Acute oral toxicity: | >= 0,0025 - < 0,025 |

| | | | |
|---|---|---|---|
| | | 450 mg/kg<br>Acute inhalation toxicity (dust/mist): 0,21 mg/l | |

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 : If skin irritation persists, call a physician.
If on clothes, remove clothes.
Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Clean mouth with water and drink afterwards plenty of water.
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

None known.

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

Treatment : Treat symptomatically.

## 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 fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

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.

## 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.
Suppress (knock down) gases/vapors/mists with a water spray jet.

### 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.
Should not reach sewage water or drainage ditch undiluted or unneutraised

### 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.
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 vapors/dust.
Do not smoke.
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
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 : No sparking tools should be used.

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

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

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards. 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.

Advice on common storage : Do not store near acids.

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.<br>EC-No. | Value type (Form of exposure) | Control parameters | Basis |
|---|---|---|---|---|
| propan-2-ol | 67-63-0 | OELV - 8 hrs (TWA) | 200 ppm | IE OEL |
| | Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body | | | |
| | | OELV - 15 min (STEL) | 400 ppm | IE OEL |
| | Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body | | | |

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

| Substance name | End Use | Routes of exposure | Potential health effects | Value |
|---|---|---|---|---|
| Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized, Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized, Quaternary Tea Esters, C16-18 and C18 Unsat, Methosulfate | Workers | Inhalation | Long-term systemic effects | 14,8 mg/m3 |

| | | | | |
|---|---|---|---|---|
| | Workers | Dermal | Long-term systemic effects | 105 mg/kg bw/day |
| | General population | Inhalation | Long-term systemic effects | 2,61 mg/m3 |
| | General population | Dermal | Long-term systemic effects | 37,5 mg/kg bw/day |
| | General population | Oral | Long-term systemic effects | 1,5 mg/kg bw/day |
| ISOPROPANOL | Consumers | Dermal | Long-term systemic effects | 319 mg/kg bw/day |
| | Workers | Dermal | Long-term systemic effects | 888 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 89 mg/kg bw/day |
| | Workers | Inhalation | Long-term systemic effects | 500 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 26 mg/kg bw/day |
| Octanal, 2-(phenylmethylene)-, (E)- | Workers | Dermal | Local, short-term | 0,525 mg/cm2 |
| | Consumers | Inhalation | Local, short-term | 4,71 mg/m3 |
| | Consumers | Dermal | Long-term systemic effects | 9,11 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 0,078 mg/m3 |
| | Workers | Dermal | Long-term local effects | 0,525 mg/cm2 |
| | Consumers | Dermal | Long-term local effects | 0,787 mg/cm2 |
| | Workers | Dermal | Long-term systemic effects | 18,2 mg/kg |
| | Consumers | Inhalation | Long-term systemic effects | 0,019 mg/m3 |
| | Workers | Inhalation | Local, short-term | 6,28 mg/m3 |

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

| Substance name | Environmental Compartment | Value |
|---|---|---|
| Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized, Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized, | Fresh water | 0,022 mg/l |

| | | |
|---|---|---|
| Quaternary Tea Esters, C16-18 and C18 Unsat, Methosulfate | | |
| | Sea water | 0,002 mg/l |
| | Fresh water sediment | 22,48 mg/kg dry weight (d.w.) |
| | Sea sediment | 2,248 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 2,96 mg/l |
| | Soil | 4,483 mg/kg dry weight (d.w.) |
| propan-2-ol | Fresh water | 140,9 mg/l |
| | Sea water | 140,9 mg/l |
| | Intermittent use/release | 140,9 mg/l |
| | Sewage treatment plant | 2251 mg/l |
| | Fresh water sediment | 552 mg/l |
| | Sea sediment | 552 mg/l |
| | Soil | 28 mg/l |
| Octanal, 2-(phenylmethylene)-, (E)- | Sewage treatment plant | 10 mg/l |
| | Sea sediment | 0,064 mg/kg |
| | Soil | 0,398 mg/kg |
| | Fresh water sediment | 3,2 mg/kg |
| | Fresh water | 0,001 mg/l |
| | Sea water | 0 mg/l |
| | Intermittent use/release | 0,002 mg/l |
| 1,2-benzisothiazol-3(2H)-one | Fresh water | 0,0026 mg/l |
| | Sea water | 0,00026 mg/l |
| | Sewage treatment plant | 0,055 mg/l |
| | Fresh water sediment | 0,0132 mg/l |
| | Soil | 0,33 mg/l |

**8.2.Exposure controls**

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.If available, please refer to the product information sheet for application and handling instructions.Normal use conditions are assumed for this section.

**Recommended safety measures for handling the undiluted product:**

**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.

**Appropriate organisational controls:** : 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.
Should not reach sewage water or drainage ditch undiluted or unneutraised

**REACH use scenarios considered for the undiluted product:**

| | SWED- Sector Specific Worker Exposure Description | LCS | PROC | Duration (min) | ERC |
|---|---|---|---|---|---|
| Automatic application in a dedicated system | AISE_SWED_PW_4_1 | PW | PROC4 | 480 min | ERC8a |
| Automatic transfer and dilution | AISE_SWED_PW_8b_2 | PW | PROC8b | 60 min | ERC8b |
| Washing and cleaning products | PC35 Washing and cleaning products | C | | | ERC8a |

**Personal protective equipment**

Eye protection (EN ISO 16321) : Eye wash bottle with pure water
Tightly fitting safety goggles
Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321)

Hand protection (EN ISO 374)

Remarks : Wear resistant gloves (consult your safety equipment supplier). Discard gloves that show tears, pinholes, or signs of wear. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as

provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact:
Material: butyl rubber
Penetration time: ≥ 480 min
Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes:
Material: nitrile rubber
Penetration time: ≥ 30 min
Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Protective measures : No special requirements under normal use conditions

Skin and body protection (EN 14605) : Wear as appropriate:
Impervious clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Recommended safety measures for handling the diluted product:**

Maximum recommended use concentration (% w/w): 2,000 %

**Engineering measures**

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, 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.

**Appropriate organisational controls:** : Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

**REACH use scenarios considered for the diluted product:**

| | SWED- Sector Specific Worker Exposure Description | LCS | PROC | Duration (min) | ERC |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Automatic application in a dedicated closed system | AISE_SWED_PW_1_1 | PW | PROC 1 | 480 min | ERC8a |
| Automatic application in a dedicated system | AISE_SWED_PW_4_1 | PW | PROC4 | 480 min | ERC8a |
| Washing and cleaning products | PC35 Washing and cleaning products | C | | | ERC8a |

**Personal protective equipment**

| | | |
|---|---|---|
| Eye protection (EN ISO 16321) | : | Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.<br><br>Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321) |
| Hand protection (EN ISO 374) | | |
| Remarks | : | No special requirements under normal use conditions |
| Skin and body protection (EN 14605) | : | Wear as appropriate:<br>Safety shoes<br>Wear resistant gloves (consult your safety equipment supplier). |
| Respiratory protection (EN 136, EN 143, EN 14387) | : | No personal respiratory protective equipment normally required. |
| Protective measures | : | No special requirements under normal use conditions |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Undiluted product:

| | | |
|---|---|---|
| Physical state | : | liquid |
| Color | : | light green |
| Odor | : | characteristic |
| Odor Threshold | : | No data available |
| Melting point/freezing point | : | 0,00 °C |
| Boiling point/boiling range | : | No data available |
| Flammability | : | Not flammable. |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | 58,00 °C |
| Decomposition temperature | : | No data available |
| pH | : | 2,90<br>Method: ISO 4316 |
| Viscosity | | |
| Viscosity, dynamic | : | No data available |

| | | |
|---|---|---|
| Viscosity, kinematic | : | 60,000 mm2/s |
| Solubility(ies) | | |
| Water solubility | : | completely soluble |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Vapor pressure | : | No data available |
| Relative density | : | No data available |
| Density | : | 1,0030 g/cm3 |
| Relative vapor density | : | No data available |
| Particle characteristics | | |
| Assessment | : | No data available |
| Particle size | : | No data available |
| Particle Size Distribution | : | No data available |
| Dustiness | : | No data available |
| Shape | : | No data available |
| Crystallinity | : | No data available |

| | | |
|---|---|---|
| Surface treatment /Coatings | : | No data available |

**9.2 Other information**

| | | |
|---|---|---|
| Explosives | : | Not explosive |
| Oxidizing properties | : | Non Oxidative |
| Sustained combustibility | : | Sustains combustibility: no |
| Self-ignition | : | No data available |
| Metal corrosion rate | : | Not corrosive |
| Evaporation rate | : | No data available |

Diluted product:

| | | |
|---|---|---|
| pH | : | 5,5<br>Method: ISO 4316 |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

| | | |
|---|---|---|
| Hazardous reactions | : | Stable under recommended storage conditions.<br>No hazards to be specially mentioned.<br>Product will not undergo hazardous polymerization. |

**10.4 Conditions to avoid**

Conditions to avoid : No data available

**10.5 Incompatible materials**

Materials to avoid : None known under normal use conditions

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions

## 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:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

Acute oral toxicity : LD50 Oral (Rat, male and female): > 4.480 mg/kg
Method: Regulation (EC) No. 440/2008, Annex, B.1

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2.000 mg/kg

**propan-2-ol:**

Acute oral toxicity : LD50 (Rat): 5,84 g/kg

Acute inhalation toxicity : LC 50 (Rat): 16000 ppm
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): 12.800 mg/kg

**Heptanal, 2-(phenylmethylene)-, (E)-:**

Acute dermal toxicity : LD50 (Rabbit): 3.000 mg/kg

**2-benzylideneheptanal:**

Acute oral toxicity : LD50 (Rat): 3.730 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**alpha-hexylcinnamaldehyde:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): 3.100 mg/kg |
| Acute dermal toxicity | : | LD50 (Rabbit): > 3.000 mg/kg<br>Assessment: The substance or mixture has no acute dermal toxicity |

**hexyl salicylate:**

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

**Octanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): 3.100 mg/kg<br>Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : | LC50 (Rat): > 2,12 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: OECD Test Guideline 403 |
| Acute dermal toxicity | : | LD50 (Rabbit): > 3.000 mg/kg<br>Method: OECD Test Guideline 402 |

**1,2-benzisothiazol-3(2H)-one:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): 450 mg/kg |
| Acute inhalation toxicity | : | LC50 (Rat, male and female): 0,21 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>GLP: yes |
| Acute dermal toxicity | : | LD50 (Rat): > 5.000 mg/kg |

**Skin corrosion/irritation**

Not classified due to lack of data.

**Product:**

| | | |
|---|---|---|
| Remarks | : | May cause skin irritation and/or dermatitis. |

**Components:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Exposure time | : | 4 h |
| Method | : | OECD Test Guideline 404 |
| Result | : | Mild skin irritation |

**propan-2-ol:**

| | | |
|---|---|---|
| Result | : | Slightly irritating to skin |

**2-benzylideneheptanal:**

| | | |
|---|---|---|
| Result | : | Irritating to skin |
| Remarks | : | Information given is based on data obtained from similar substances. |

**alpha-hexylcinnamaldehyde:**

| | | |
|---|---|---|
| Result | : | No skin irritation |

**hexyl salicylate:**

| | | |
|---|---|---|
| Result | : | Irritating to skin |

**Octanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Exposure time | : | 4 h |
| Method | : | OECD Test Guideline 404 |
| Result | : | Mild skin irritation |

**1,2-benzisothiazol-3(2H)-one:**

| | | |
|---|---|---|
| Result | : | Irritating to skin |
| Remarks | : | May cause skin irritation and/or dermatitis. |

**Serious eye damage/eye irritation**

Not classified due to lack of data.

**Components:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 405 |
| Result | : | Not irritating to eyes |

**propan-2-ol:**

| | | |
|---|---|---|
| Result | : | Irritating to eyes |

**2-benzylideneheptanal:**

| | | |
|---|---|---|
| Result | : | Irritating to eyes |
| Remarks | : | Information given is based on data obtained from similar substances. |

**hexyl salicylate:**

| | | |
|---|---|---|
| Result | : | Possibly irritating to eyes |

**Octanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 405 |
| Result | : | No eye irritation |

**1,2-benzisothiazol-3(2H)-one:**

| | | |
|---|---|---|
| Result | : | Corrosive to eyes |
| Remarks | : | May cause irreversible eye damage. |

**Respiratory or skin sensitization**

**Skin sensitization**

Not classified due to lack of data.

**Respiratory sensitization**

Not classified due to lack of data.

**Product:**

| | | |
|---|---|---|
| Remarks | : | Causes sensitization.<br>May cause allergic skin reaction. |

**Components:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

| | | |
|---|---|---|
| Routes of exposure | : | Skin contact |

| | | |
|---|---|---|
| Species | : | Guinea pig |
| Method | : | Buehler Test |
| Result | : | Not a skin sensitizer. |

**Heptanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Species | : | Mouse |
| Method | : | OECD Test Guideline 429 |
| Result | : | The product is a skin sensitizer, sub-category 1B. |

**2-benzylideneheptanal:**

| | | |
|---|---|---|
| Result | : | May cause sensitization by skin contact. |
| Remarks | : | Information given is based on data obtained from similar substances. |

**alpha-hexylcinnamaldehyde:**

| | | |
|---|---|---|
| Result | : | The product is a skin sensitizer, sub-category 1B. |

**hexyl salicylate:**

| | | |
|---|---|---|
| Test Type | : | Local lymph node assay (LLNA) |
| Species | : | Mouse |
| Result | : | May cause sensitization by skin contact. |

**Octanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Species | : | Mouse |
| Method | : | OECD Test Guideline 429 |
| Result | : | The product is a skin sensitizer, sub-category 1B. |

**1,2-benzisothiazol-3(2H)-one:**

| | | |
|---|---|---|
| Result | : | The product is a skin sensitizer, sub-category 1A. |

**Germ cell mutagenicity**

Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.

**Reproductive toxicity**

Not classified due to lack of data.

**STOT-single exposure**

Not classified due to lack of data.

**Components:**

**propan-2-ol:**

Assessment : May cause drowsiness or dizziness.

**STOT-repeated exposure**

Not classified due to lack of data.

**Aspiration toxicity**

Not classified due to lack of data.

### 11.2 Information on other hazards

**Endocrine disrupting properties**

Not classified due to lack of data.

**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.

**Further information**

**Product:**

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,91 mg/l
End point: mortality
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 2,23 mg/l

| | | |
|---|---|---|
| aquatic invertebrates | | End point: Immobilization<br>Exposure time: 48 h<br>Method: Directive 67/548/EEC, Annex V, C.2. |
| Toxicity to algae/aquatic plants | : | ErC50 (Desmodesmus subspicatus (green algae)): 2,14 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to fish (Chronic toxicity) | : | NOEC: 0,224 mg/l<br>Exposure time: 30 d<br>Species: Danio rerio<br>Method: OECD Test Guideline 210 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 0,268 mg/l<br>End point: reproduction rate<br>Exposure time: 21 d<br>Species: Daphnia pulicaria (Water Flea)<br>Method: OECD Test Guideline 211 |

**propan-2-ol:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 5.770 - 7.450 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test |
| Toxicity to daphnia and other aquatic invertebrates | : | LC 50 (Daphnia magna (Water flea)): > 10.000 mg/l<br>Exposure time: 24 h<br>Test Type: static test |

**Heptanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Brachydanio rerio (zebrafish)): 3 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna Straus (Water flea)): 1,1 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br>Method: OECD Test Guideline 202 |
| Toxicity to fish (Chronic toxicity) | : | NOEC: 0,00384 mg/l<br>Exposure time: 35 d<br>Species: Danio rerio (zebra fish)<br>Method: OECD Test Guideline 210 |
| Toxicity to daphnia and other aquatic invertebrates | : | NOEC: 0,011 mg/l<br>Exposure time: 21 d |

| | | |
|---|---|---|
| (Chronic toxicity) | | Species: Daphnia magna (Water flea)<br>Test Type: semi-static test<br>Method: OECD Test Guideline 211 |
| M-Factor (Chronic aquatic toxicity) | : | 1 |

**2-benzylideneheptanal:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Fish): ca. 3,14 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 1,1 mg/l<br>Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Pseudokirchneriella subcapitata (green algae)): 1,88 mg/l<br>End point: Growth inhibition<br>Exposure time: 72 h |

**alpha-hexylcinnamaldehyde:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Zebra danio (Danio rerio)): 3,1 mg/l<br>Exposure time: 96 h<br>Test Type: semi-static test<br>Remarks: Based on a similar product formulation. |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 3,86 mg/l<br>Exposure time: 48 h<br>Test Type: semi-static test<br>Remarks: Based on a similar product formulation. |
| Toxicity to algae/aquatic plants | : | EC50 (Pseudokirchneriella subcapitata (green algae)): 6,87 mg/l<br>Exposure time: 72 h<br>Remarks: Based on a similar product formulation. |

**Ecotoxicology Assessment**

| | | |
|---|---|---|
| Acute aquatic toxicity | : | Very toxic to aquatic life. |

**hexyl salicylate:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Danio rerio (zebra fish)): > 100 mg/l<br>Exposure time: 96 h<br>Test Type: static test |

| | | |
|---|---|---|
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 0,357 mg/l<br>Exposure time: 48 h<br>Test Type: semi-static test |
| Toxicity to algae/aquatic plants | : | EC50 (Pseudokirchneriella subcapitata (green algae)): 0,28 mg/l<br>Exposure time: 72 h<br>Test Type: static test |
| M-Factor (Acute aquatic toxicity) | : | 1 |
| M-Factor (Chronic aquatic toxicity) | : | 1 |

**Octanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 1,7 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br>Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna Straus (Water flea)): 0,247 mg/l<br>Exposure time: 48 h<br>Test Type: flow-through test<br>Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | ErC50 (Desmodesmus subspicatus (green algae)): > 0,065 mg/l<br>Exposure time: 72 h<br>Test Type: static test<br>Method: OECD Test Guideline 201 |
| M-Factor (Acute aquatic toxicity) | : | 10 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 0,063 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Test Type: flow-through test<br>Method: OECD Test Guideline 211 |
| M-Factor (Chronic aquatic toxicity) | : | 10 |

**1,2-benzisothiazol-3(2H)-one:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 3,4 mg/l<br>Exposure time: 96 h<br><br>LC50 (Oncorhynchus mykiss (rainbow trout)): 1,3 - 1,6 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | LC 50 (Daphnia magna (Water flea)): 1,5 - 3,3 mg/l<br>Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Algae, algal mat (Algae)): 0,15 mg/l<br>Exposure time: 72 h |
| M-Factor (Acute aquatic toxicity) | : | 1 |
| M-Factor (Chronic aquatic toxicity) | : | 1 |

**12.2 Persistence and degradability**

| | | |
|---|---|---|
| **Product**Biodegradability | : | This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. |

**Components:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

| | | |
|---|---|---|
| Biodegradability | : | Test Type: aerobic<br>Inoculum: activated sludge, adapted<br>Result: Readily biodegradable.<br>Biodegradation: 66 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301D |

**propan-2-ol:**

| | | |
|---|---|---|
| Biodegradability | : | Result: Readily biodegradable. |

**Heptanal, 2-(phenylmethylene)-, (E)-:**

| | | |
|---|---|---|
| Biodegradability | : | Test Type: aerobic<br>Inoculum: activated sludge<br>Result: Readily biodegradable.<br>Biodegradation: 90 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301F |

**2-benzylideneheptanal:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 28 d

**alpha-hexylcinnamaldehyde:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 76,5 %
Exposure time: 28 d
Remarks: Expected to be ultimately biodegradable

Result: Readily biodegradable.
Biodegradation: 97 %
Exposure time: 28 d
Remarks: Readily biodegradable

**hexyl salicylate:**

Biodegradability : Biodegradation: 91 %
Exposure time: 28 d
Remarks: Readily biodegradable

**Octanal, 2-(phenylmethylene)-, (E)-:**

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 97 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

**1,2-benzisothiazol-3(2H)-one:**

Biodegradability : Biodegradation: ca. 90 %
Exposure time: 28 d
Method: OECD Test Guideline 302B

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

**Components:**

**Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized:**

Bioaccumulation : Bioconcentration factor (BCF): 13

Partition coefficient: n-octanol/water : Pow: 4,77 (20 °C)

**propan-2-ol:**

Partition coefficient: n-octanol/water : log Pow: 0,05

**Heptanal, 2-(phenylmethylene)-, (E)-:**

Partition coefficient: n-octanol/water : log Pow: 4,7 (24 °C)
Method: OECD Test Guideline 117

**2-benzylideneheptanal:**

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

**alpha-hexylcinnamaldehyde:**

Partition coefficient: n-octanol/water : log Pow: 5,3 (24 °C)

**hexyl salicylate:**

Partition coefficient: n-octanol/water : log Pow: 5,5 (30 °C)

**Octanal, 2-(phenylmethylene)-, (E)-:**

Partition coefficient: n-octanol/water : log Pow: 5,3 (24 °C)
Method: OECD Test Guideline 117

**1,2-benzisothiazol-3(2H)-one:**

Partition coefficient: n-octanol/water : log Pow: 0,4

**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.

No data available

### 12.7 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.

**Components:**

**1,2-benzisothiazol-3(2H)-one:**

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Send to a licensed waste management company.
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.

Dispose of in accordance with local regulations.

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 or ID number

**ADR:** Not dangerous goods

**ADN:** Not dangerous goods

**RID:** Not dangerous goods

**IMDG-Code:** Not dangerous goods

**IATA-DGR:** Not dangerous goods

:

:

:

:

### 14.2 UN proper shipping name

**ADR:** Not dangerous goods
**ADN:** Not dangerous goods
**RID:** Not dangerous goods
**IMDG-Code:** Not dangerous goods
**IATA-DGR:** Not dangerous goods
:
:
:
:

### 14.3 Transport hazard class(es)

**ADR:** Not dangerous goods
**ADN:** Not dangerous goods

**RID:** Not dangerous goods
**IMDG-Code:** Not dangerous goods
**IATA-DGR:** Not dangerous goods
:
:
:
:

**14.4 Packing group**

**ADR:** Not dangerous goods
**ADN:** Not dangerous goods
**RID:** Not dangerous goods
**IMDG-Code:** Not dangerous goods
**IATA-DGR:** Not dangerous goods
:
:
:
:

**14.5 Environmental hazards**

**ADR:** Not applicable
**ADN:** Not applicable
**RID:** Not applicable
**IMDG-Code:** Not applicable
**IATA-DGR:** Not applicable
: Not applicable
: Not applicable
: Not applicable
: Not applicable

**14.6 Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

| | | |
|---|---|---|
| REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). | : | Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |
| Regulation (EU) No 2024/590 on substances that deplete the ozone layer | : | Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |
| Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals | : | 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

Regulation (EC) No. 648/2004, as amended : 5 % or over but less than 15 %: Cationic surfactants
Other constituents: Perfumes
Preservation agents:
BENZISOTHIAZOLINONE
Allergens:
AMYL CINNAMAL
Hexyl cinnamal
Tetramethyl Acetyloctahydronaphthalenes
Alpha-Isomethyl Ionone
BENZYL SALICYLATE
D-LIMONENE

**The ingredients of this product are reported in the following inventories:**

| | | |
|---|---|---|
| TW TCSI | : | Not in compliance with the inventory |
| US TSCA | : | Product contains substance(s) not listed on TSCA inventory. |

| | | |
|---|---|---|
| AU AIIC | : | Not in compliance with the inventory |
| CA. DSL | : | This product contains one or more components that are not on the Canadian DSL and have annual quantity limits. |
| JP ENCS | : | Not in compliance with the inventory |
| KR KECI | : | Not in compliance with the inventory |
| PH PICCS | : | Not in compliance with the inventory |
| CN IECSC | : | Not in compliance with the inventory |

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this mixture.

## SECTION 16: Other information

**Further information**

Revision Date: 25.09.2026

| **Classification of the mixture:** | | **Classification procedure:** |
|---|---|---|
| Aquatic Chronic 3 | H412 | Calculation method |

**Full text of H-Statements**

| | | |
|---|---|---|
| H225 | : | Highly flammable liquid and vapor. |
| H302 | : | Harmful if swallowed. |
| 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. |
| H332 | : | Harmful if inhaled. |
| H336 | : | May cause drowsiness or dizziness. |
| 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 |
| Eye Dam. | : | Serious eye damage |
| Eye Irrit. | : | Eye irritation |
| Flam. Liq. | : | Flammable liquids |
| Skin Irrit. | : | Skin irritation |
| Skin Sens. | : | Skin sensitization |
| STOT SE | : | Specific target organ toxicity - single exposure |
| IE OEL | : | Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2 |
| IE OEL / OELV - 8 hrs (TWA) | : | Occupational exposure limit value (8-hour reference period) |
| IE OEL / OELV - 15 min (STEL) | : | Occupational exposure limit value (15-minute reference period) |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; BGW - Biological Limit Values; 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 Standardization; 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 Organization 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); LSPN - List of Hazardous Notified Substances (Chile); 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, Authorization 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; TRGS - Technical

Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet
Key literature references and sources of data
SOLENIS Internal data
SOLENIS internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

IE / EN