

ULV Full Synthetic Automatic Transmission Fluid

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

1.1. Product identifier

Product form : Mixture
Product name : ULV Full Synthetic Automatic Transmission Fluid
Product code
Type of product
Product group

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

KLONDIKE LUBRICANTS CORPORATION 3078
-275TH STREET
LANGLEY - BRITISH COLOMBIA CA-ONV4W3L4
+16048565335

1.4. Emergency telephone number

Emergency number : 0016043098295

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Signal word (CLP) : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements : EUH208 - Contains Long chain hydroxyalkylamine, Borate ester, Benzene, polypropene derivatives, sulfonated, calcium salts, 1-(tert-dodecylthio)propan-2-ol . May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : The mineral oils in the product contain < 3% DMSO extract (IP 346)

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-------------|--|
| Distillates (petroleum), hydrotreated heavy paraffinic | (CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25 | 30 – 60 | Asp. Tox. 1, H304 |
| Base oil : distillates hydrotreated light paraffinic | (CAS-No.) 64742-55-8 (EC-No.) 265-158-7 (EC Index-No.) 649-468-00-3 (REACH-no) 01-2119487077-29 | 25 – 50 | Asp. Tox. 1, H304 |
| Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | (CAS-No.) 398141-87-2 (EC-No.) 800-172-4 (REACH-no) 01-2119969520-35 | 1 – 1,49 | Aquatic Chronic 2, H411 |
| Reaction products of Benzeneamine, N-phenyl- with nonene (branched) | (CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28 | 1 – 1,49 | Aquatic Chronic 4, H413 |
| Acetamide, 2-hydroxy-, N, N-dicocoalkyl derivs | (EC-No.) 471-920-1 (REACH-no) 01-0000019770-68 | 0,1 – 0,99 | Skin Sens. 1, H317 |
| Long chain hydroxyalkylamine | (EC-No.) 482-000-4 (REACH-no) 01-0000020142-86 | 0,1 – 0,99 | Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| C14-18 alpha-olefin epoxide, reaction products with boric acid | (EC-No.) 939-580-3 (REACH-no) 01-2119976364-28 | 0,1 – 0,99 | Skin Sens. 1B, H317 |
| Benzene, polypropene derivatives, sulfonated, calcium salts | (EC-No.) POLYMER (REACH-no) 01-2120040541-70 | 0,1 – 0,99 | Skin Sens. 1, H317 |
| 1-(tert-dodecylthio)propan-2-ol | (CAS-No.) 67124-09-8 (EC-No.) 266-582-5 (REACH-no) 01-2119953277-30 | 0,1 – 0,99 | Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol | (CAS-No.) 1218787-32-6 (EC-No.) 620-540-6 (REACH-no) 01-2119510877-33 | 0,01 – 0,15 | Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411 |
| 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | (CAS-No.) 95-38-5 (EC-No.) 202-414-9 (REACH-no) 01-2119777867-13 | 0,01 – 0,15 | Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|--|---|------------------------------------|
| Acetamide, 2-hydroxy-, N, N-dicocoalkyl derivs | (EC-No.) 471-920-1 (REACH-no) 01-0000019770-68 | (9,4 ≤C < 100) Skin Sens. 1, H317 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : Not expected to require first aid measures. |
| First-aid measures after skin contact | : Wash skin with mild soap and water. |
| First-aid measures after eye contact | : In case of eye contact, immediately rinse with clean water for 10-15 minutes. |
| First-aid measures after ingestion | : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : Not expected to present a significant skin hazard under anticipated conditions of normal use. |
| Symptoms/effects after eye contact | : Not expected to present a significant eye contact hazard under anticipated conditions of normal use. |
| Symptoms/effects after ingestion | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Water fog. Foam. Powder. Dry chemical product. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Precautionary measures fire | : Exercise caution when fighting any chemical fire. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing and gloves. |
|----------------------|---|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing and gloves. |
|----------------------|---|

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Impound and recover large spill by mixing it with inert granular solids. |
| Methods for cleaning up | : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr. |
| Other information | : Spill area may be slippery. Use suitable disposal containers. |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. |
| Handling temperature | : < 40 °C |
| Hygiene measures | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------|---|
| Storage temperature | : < 40 °C |
| Storage area | : Store in dry, cool, well-ventilated area. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|------------------------|--|
| Additional information | : 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition). |
|------------------------|--|

8.2. Exposure controls

Personal protective equipment:
Safety glasses. Gloves.

Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : Liquid |
| Appearance | : Oily liquid. |
| Colour | : Yellow. |
| Odour | : Characteristic. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |

| | |
|---|---|
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 180 °C @ ASTM D92 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 843 kg/m ³ @ 15°C |
| Solubility | : Slightly soluble, the product remains on the water surface. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : 21 mm ² /s @ 40°C |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizers. acids. Bases.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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| | |
|----------------------|------------------------------|
| Viscosity, kinematic | 21 mm ² /s @ 40°C |
|----------------------|------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)

| | |
|------------------------|---|
| LC50 fish 1 | 2,4 mg/l Oncorhynchus mykiss |
| LC50 fish 2 | 3,3 mg/l Cyprinodon variegatus |
| EC50 Daphnia 1 | 4,6 mg/l Daphnia magna |
| EC50 72h algae (1) | 63 mg/l Selenastrum capricornutum |
| NOEC (chronic) | 1 mg/l @4 DY (Oncorhynchus mykiss) |
| NOEC chronic crustacea | 0,63 mg/l 2 DY (Daphnia magna) |
| NOEC chronic algae | 0,313 mg/l 3 DY (Selenastrum capricornutum) |

Reaction products of Benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)

| | |
|--------------------------------|--------------------------------|
| LC50 fish 1 | > 100 mg/l (Brachydanio rerio) |
| EC50 Daphnia 1 | > 100 mg/l (Daphnia magna) |
| EC50 other aquatic organisms 2 | > 1000 mg/l |
| EC50 72h algae (1) | 600 mg/l 3d - Chlorophyta |

Acetamide, 2-hydroxy-, N, N-dicocoalkyl derivs

| | |
|------------------------|--------------------------------|
| EC50 Daphnia 1 | 180 mg/l Daphnia magna |
| NOEC chronic crustacea | 100 mg/l @21DY (Daphnia magna) |

C14-18 alpha-olefin epoxide, reaction products with boric acid

| | |
|--------------------|--|
| LC50 fish 1 | > 100 mg/l (Oncorhynchus mykiss) |
| EC50 Daphnia 1 | > 100 mg/l (Daphnia magna) |
| EC50 72h algae (1) | > 100 mg/l (Selenastrum capricornutum) |
| NOEC (acute) | 32 mg/l @ 2DY (Daphnia magna) |

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)

| | |
|--------------------|---|
| LC50 fish 1 | 0,1 mg/l Brachydanio rerio |
| EC50 Daphnia 1 | 0,043 mg/l Daphnia magna |
| EC50 72h algae (1) | 0,0053 mg/l Pseudokirchneriella subcapitata |

| | |
|--------------------|--|
| NOEC chronic algae | 0,0156 mg/l @3DY (Pseudokirchneriella subcapitata) |
|--------------------|--|

| 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5) | |
|---|----------------------------|
| LC50 fish 1 | 0,3 mg/l Brachydanio rerio |
| EC50 Daphnia 1 | 0,163 mg/l Daphnia magna |
| EC50 Daphnia 2 | 0,34 mg/l |
| EC50 72h algae (1) | 0,03 mg/l |
| NOEC chronic algae | 0,011 mg/l |

| 1-(tert-dodecylthio)propan-2-ol (67124-09-8) | |
|---|--|
| LC50 fish 1 | > 0,75 mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | 0,58 mg/l Daphnia magna |
| EC50 72h algae (1) | > 100 mg/l Selenastrum capricomutum |
| NOEC chronic fish | 0,56 mg/l |
| NOEC chronic crustacea | 0,32 mg/l @2DY (Daphnia magna) |
| NOEC chronic algae | 100 mg/l @4DY (Selenastrum capricomutum) |

12.2. Persistence and degradability

| KLONDIKE ULV SYNTHETIC ATF | |
|-----------------------------------|--|
| Persistence and degradability | Not soluble in water, so only minimally biodegradable. |

| Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2) | |
|--|-------------------------------|
| Persistence and degradability | Not readily biodegradable. |
| BOD (% of ThOD) | 9,6 % ThOD 28DY OECD TG 301 F |

| Reaction products of Benzeneamine, N-phenyl- with nonene (branched) (36878-20-3) | |
|---|------------------------|
| Biodegradation | 0 % @28d OECD TG 301 B |

| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6) | |
|---|-----------|
| BOD (% of ThOD) | 63 % ThOD |

| 1-(tert-dodecylthio)propan-2-ol (67124-09-8) | |
|---|--------------------------------|
| BOD (% of ThOD) | 5,9 % ThOD @28DY OECD TG 301 F |

12.3. Bioaccumulative potential

| Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2) | |
|--|-----------------------------|
| Bioconcentration factor (BCF REACH) | 27,54 |
| Partition coefficient n-octanol/water (Log Kow) | 4,1 |
| Bioaccumulative potential | Potential to bioaccumulate. |

| Reaction products of Benzeneamine, N-phenyl- with nonene (branched) (36878-20-3) | |
|---|---------|
| Bioconcentration factor (BCF REACH) | 1584,89 |
| Partition coefficient n-octanol/water (Log Kow) | 10,88 |

C14-18 alpha-olefin epoxide, reaction products with boric acid

| | |
|---|-----------|
| Partition coefficient n-octanol/water (Log Kow) | 9,4 Calc. |
|---|-----------|

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)

| | |
|------------|-------------|
| BCF fish 1 | 110,2 mg/kg |
|------------|-------------|

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Kow) | 3,6 |
|---|-----|

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Kow) | > 7 |
|---|-----|

1-(tert-dodecylthio)propan-2-ol (67124-09-8)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Kow) | 5,7 |
|---|-----|

12.4. Mobility in soil

Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)

| | |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user**Overland transport**

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations**Germany**

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Base oil : distillates hydrotreated light paraffinic, Distillates (petroleum), hydrotreated heavy paraffinic , 1-(tert-dodecylthio)propan-2-ol are listed

SZW-lijst van mutagene stoffen : Base oil : distillates hydrotreated light paraffinic, Distillates (petroleum), hydrotreated heavy paraffinic , 1-(tert-dodecylthio)propan-2-ol are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|--|--|
| | ACGIH: American Conference of Governmental Industrial Hygienists |
| | TWA: Time Weighted Average |
| | TLV: Threshold Limit Value |
| | ASTM: American Society for Testing and Materials |
| | ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route |
| | RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail |
| | ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
| | IMDG: International Maritime Dangerous Goods |
| | ICAO: International Civil Aviation Organization |
| | IATA: International Air Transport Association |
| | STEL: Short Term Exposure Limit |
| | LD50: median Lethal Dose for 50% of subjects |
| | ATE: acute toxicity estimate |
| | LC50: median Lethal Concentration for 50% of subjects |
| | EC50: concentration producing 50% effect |

Other information : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:

| | |
|---------------------|---|
| 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 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |

| | |
|---------------|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| 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 |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| 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. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH208 | Contains Long chain hydroxyalkylamine, Borate ester, Benzene, polypropene derivatives, sulfonated, calcium salts, 1-(tert-dodecylthio)propan-2-ol . May produce an allergic reaction. |

SDS EU (REACH Annex II)

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 not therefore be construed as guaranteeing any specific property of the product.