

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
 Product name : ZIP STRIP
 Product code : 365
 Type of product : Detergent
 Product group : Mixture

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

Industrial/Professional use spec : Industrial
 For professional use only
 Use of the substance/mixture : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Clover Chemicals Ltd
 Clover House
 Macclesfield Road
 SK23 7DQ Whaley Bridge - United Kingdom
 T 01663 733114 - F 01663 733115
info@cloverchemicals.com - www.cloverchemicals.com

1.4. Emergency telephone number

| Country | Official advisory body | Address | Emergency number | Comment |
|----------------|--|--|--|---------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH Birmingham | 0344 892 0111 | |

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corr. 1B H314
 STOT SE 3 H335

Full text of hazard classes and 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]

Hazard pictograms (CLP) :



GHS05

GHS07

CLP Signal word : Danger
 Contains : Monoethanolamine
 Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.
 H335 - May cause respiratory irritation.

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P280 - Wear protective gloves, eye protection.
P260 - Do not breathe dust, fume, gas, mist, spray, vapours.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 - Get medical advice/attention if you feel unwell.
P362 - Take off contaminated clothing.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|---------|--|
| Monoethanolamine substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | (CAS-no) 141-43-5 (Einecs nr) 205-483-3 (EG annex nr) 603-030-00-8 (REACH-no) 01-2119486455-28 | 10 – 30 | Skin Corr. 1B, H314 Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT SE 3, H335 Aquatic Chronic 3, H412 |
| 2-butoxyethanol substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit | (CAS-no) 111-76-2 (Einecs nr) 203-905-0 (EG annex nr) 603-014-00-0 (REACH-no) 01-2119475108-36 | 5 – 10 | Acute Tox. 4 (Oral), H302 (ATE=1300 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| (2-Methoxymethylethoxy)propanol substance with a Community workplace exposure limit | (CAS-no) 34590-94-8 (Einecs nr) 252-104-2 | 5 – 10 | Not classified |
| Beta-alanine, N-(2-carboxyethyl)-,N-coco alykyl derivs., disodium salts | (CAS-no) 90170-43-7 (Einecs nr) 290-476-8 (REACH-no) 01-2119976233-35 | 1 – 3 | Eye Irrit. 2, H319 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|------------------|---|-------------------------------|
| Monoethanolamine | (CAS-no) 141-43-5 (Einecs nr) 205-483-3 (EG annex nr) 603-030-00-8 (REACH-no) 01-2119486455-28 | (5 ≤C ≤ 100) STOT SE 3, H335 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact : Take off immediately all contaminated clothing. Rinse skin with water/shower.

Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Causes severe skin burns and eye damage.
Acute effects inhalation : May cause respiratory irritation.
Acute effects skin : Causes severe burns. Red skin.
Acute effects eyes : Causes serious eye damage. stinging. redness, itching, tears.
Acute effects oral route : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Abdominal pain, nausea.

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.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
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

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Store in a cool, well-ventilated place. Keep container tightly closed.

Packaging materials : polyethylene.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Monoethanolamine (141-43-5) | |
|--|-----------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-Aminoethanol |
| IOEL TWA | 2.5 mg/m ³ |

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Monoethanolamine (141-43-5) | |
|------------------------------------|---------------------------------|
| IOEL TWA [ppm] | 1 ppm |
| IOEL STEL | 7.6 mg/m ³ |
| IOEL STEL [ppm] | 3 ppm |
| Notes | skin |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |

| United Kingdom - Occupational Exposure Limits | |
|--|---|
| Local name | 2-Aminoethanol |
| WEL TWA (OEL TWA) [1] | 2.5 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 1 ppm |
| WEL STEL (OEL STEL) | 7.6 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 3 ppm |
| Remark (WEL) | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

2-butoxyethanol (111-76-2)

| EU - Indicative Occupational Exposure Limit (IOEL) | |
|---|---------------------------------|
| Local name | 2-Butoxyethanol |
| IOEL TWA | 98 mg/m ³ |
| IOEL TWA [ppm] | 20 ppm |
| IOEL STEL | 246 mg/m ³ |
| IOEL STEL [ppm] | 50 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |

| Ireland - Occupational Exposure Limits | |
|---|--|
| Local name | 2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether] |
| OEL TWA [1] | 98 mg/m ³ |
| OEL TWA [2] | 20 ppm |
| OEL STEL | 246 mg/m ³ |
| OEL STEL [ppm] | 50 ppm |
| Notes (IE) | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2020 |

| United Kingdom - Occupational Exposure Limits | |
|--|---|
| Local name | 2-Butoxyethanol |
| WEL TWA (OEL TWA) [1] | 123 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 25 ppm |
| WEL STEL (OEL STEL) | 246 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 50 ppm |
| Remark (WEL) | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| United Kingdom - Biological limit values | |
|---|-----------------|
| Local name | 2-Butoxyethanol |

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2-butoxyethanol (111-76-2)

| | |
|----------------------|--|
| BMGV | 240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

(2-Methoxymethylethoxy)propanol (34590-94-8)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|----------------|--------|
| IOEL TWA | 308 |
| IOEL TWA [ppm] | 50 ppm |

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

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure that there is a suitable ventilation system.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or face shield. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

8.2.2.2. Skin protection

Protective equipment:

Wear suitable protective clothing

Hand protection:

Wear protective gloves. VITON gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Colour | : Pale yellow. |
| Physical state/form | : Liquid. |
| Odour | : Characteristic. |
| Odour threshold | : Not available |
| Melting point/range | : 0 °C |
| Freezing point | : Not available |
| Boiling point/Boiling range | : Not available |
| Flammability | : Non flammable. |
| Explosive limits | : Not available |
| Lower explosive limit (LEL) | : Not available |
| Upper explosive limit (UEL) | : Not available |
| Flash point | : Not available |
| Autoignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 11.3 |
| Viscosity, kinematic | : Not available |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : Not available |
| Relative density | : 1.008 |
| Relative vapour density at 20 °C | : Not available |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : 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 : 160 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

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

Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Monoethanolamine (141-43-5)

| | |
|--------------------|------------|
| LD50 oral rat | 1515 mg/kg |
| LD50 dermal rabbit | 2504 mg/kg |

2-butoxyethanol (111-76-2)

| | |
|-----------------------------------|------------|
| LD50 oral rat | 1300 mg/kg |
| LD50 dermal rat | 1100 mg/kg |
| LC50 Inhalation - Rat [ppm] | 4500 |
| LC50 Inhalation - Rat (Dust/Mist) | 1.5 mg/l |
| LC50 Inhalation - Rat (Vapours) | 11 mg/l/4h |

Skin corrosion/irritation : Causes severe skin burns.
pH: 11.3
Serious eye damage/irritation : Assumed to cause serious eye damage
pH: 11.3
Respiratory or skin sensitisation : Not classified
Additional information : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met

2-butoxyethanol (111-76-2)

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

Reproductive toxicity : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-single exposure : May cause respiratory irritation.

Monoethanolamine (141-43-5)

| | |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : Not classified
Additional information : Based on available data, the classification criteria are not met

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2 Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

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

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Hazardous to the aquatic environment, long-term (chronic) : Not classified

2-butoxyethanol (111-76-2)

| | |
|------------------------|--|
| LC50 - Fish [1] | 1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 1550 mg/l Daphnia magna |
| EC50 72h - Algae [1] | 1840 mg/l |
| NOEC (chronic) | 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic crustacea | 100 mg/l Daphnia magna |
| NOEC chronic algae | 130 mg/l |

12.2. Persistence and degradability

ZIP STRIP

| | |
|-------------------------------|---|
| Persistence and degradability | Biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. |
|-------------------------------|---|

2-butoxyethanol (111-76-2)

| | |
|-------------------------------|----------------|
| Persistence and degradability | Biodegradable. |
|-------------------------------|----------------|

12.3. Bioaccumulative potential

ZIP STRIP

| | |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |
|---------------------------|---------------------|

2-butoxyethanol (111-76-2)

| | |
|---------|-----|
| Log Pow | 0.8 |
|---------|-----|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

ZIP STRIP

| |
|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Waste / unused products : Avoid release to the environment.

SECTION 14: Transport information




In accordance with ADR / IMDG / IATA

| ADR | IMDG | IATA |
|--------------------------------------|-----------------------|-----------------------|
| 14.1. UN number or ID number | | |
| UN 2491 | UN 2491 | UN 2491 |
| 14.2. UN proper shipping name | | |
| ETHANOLAMINE SOLUTION | ETHANOLAMINE SOLUTION | Ethanolamine solution |

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Transport document description | | |
|---|---|---|
| UN 2491 ETHANOLAMINE SOLUTION (Monoethanolamine), 8, III, (E) | UN 2491 ETHANOLAMINE SOLUTION (Monoethanolamine), 8, III | UN 2491 Ethanolamine solution (Monoethanolamine), 8, III |
| 14.3. Transport hazard class(es) | | |
| 8 | 8 | 8 |
|  |  |  |
| 14.4. Packing group | | |
| III | III | III |
| 14.5. Environmental hazards | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No |
| No supplementary information available | | |

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C7
Limited quantities (ADR) : 5I
Packing instructions (ADR) : P001, IBC03, LP01, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1
Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel code : E
EAC code : 2X

Transport by sea

Special provisions (IMDG) : 223
Limited quantities (IMDG) : 5 L
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03

Air transport

PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A803

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

ZIP STRIP

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

VOC content : 160 g/l

| Detergent Regulation (648/2004/EC): Labelling of contents: | |
|--|-----|
| Component | % |
| non-ionic surfactants | <5% |

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

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| 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 Corr. 1B | H314 | Calculation method |
| STOT SE 3 | H335 | Calculation method |

Safety Data Sheet (SDS), EU

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.