

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

Product form : Mixture
 Product name : UB10
 Product code : 991
 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

Main use category : Industrial use, Professional use
 Industrial/Professional use spec : Industrial
 For professional use only
 Use of the substance/mixture : Degreaser

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. 1 H314

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

CLP Signal word

: Danger

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.

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Precautionary statements (CLP)

: P102 - Keep out of reach of children.
P260 - Do not breathe spray.
P280 - Wear protective gloves, eye protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315 - Get immediate medical advice/attention.
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.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
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] |
|---|--|--------|--|
| Isotridecanol, ethoxylated | (CAS-no) 69011-36-5 (REACH-no) polymer | 5 – 10 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| 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 | 3 – 5 | Eye Irrit. 2, H319 |
| 2-butoxyethanol | (CAS-no) 111-76-2 (Einecs nr) 203-905-0 (EG annex nr) 603-014-00-0 (REACH-no) 01-2119475108-36 | 3 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| 3-butoxy-2-propanol | (CAS-no) 5131-66-8 (Einecs nr) 225-878-4 (EG annex nr) 603-052-00-8 (REACH-no) 01-2119475527-28 | 3 – 5 | Eye Irrit. 2, H319 Skin Irrit. 2, H315 |
| Monoethanolamine | (CAS-no) 141-43-5 (Einecs nr) 205-483-3 (EG annex nr) 603-030-00-8 (REACH-no) 01-2119486455-28 | 1 – 3 | Skin Corr. 1B, H314 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Aquatic Chronic 3, H412 |
| Fatty alcohol ethoxylate | (CAS-no) 160875-66-1 (Einecs nr) 605-233-7 (EG annex nr) / | 1 – 3 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| Sodium hydroxide | (CAS-no) 1310-73-2 (Einecs nr) 215-185-5 (EG annex nr) 011-002-00-6 (REACH-no) 01-2119457892-27 | 1 – 3 | Skin Corr. 1A, H314 Eye Dam. 1, H318 Met. Corr. 1, H290 |

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 |
| Sodium hydroxide | (CAS-no) 1310-73-2 (Einecs nr) 215-185-5 (EG annex nr) 011-002-00-6 (REACH-no) 01-2119457892-27 | (0.5 ≤C < 2) Eye Irrit. 2, H319 (0.5 ≤C < 2) Skin Irrit. 2, H315 (2 ≤C < 5) Skin Corr. 1B, H314 (5 ≤C < 100) Skin Corr. 1A, H314 |

Full text of H-statements: see section 16

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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 | : Allow affected person to breathe fresh air. Allow the victim to rest. |
| Skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| Eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| Ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

| | |
|--------------------------|--|
| Acute effects skin | : mild skin irritation. Red skin. |
| Acute effects eyes | : Causes serious eye damage. |
| Acute effects oral route | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |

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. Carbon dioxide. Carbon monoxide.

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.
Incompatible products : Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
Packaging materials : polyethylene. stainless steel.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium hydroxide (1310-73-2)

Ireland - Occupational Exposure Limits

| | |
|------------|------------------|
| Local name | Sodium hydroxide |
|------------|------------------|

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Sodium hydroxide (1310-73-2)

| | |
|--|---------------------------------------|
| OEL (15 min ref) (mg/m ³) | 2 mg/m ³ |
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| WEL STEL (mg/m ³) | 2 mg/m ³ |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

Monoethanolamine (141-43-5)

EU - Occupational Exposure Limits

| | |
|---------------------------------|---------------------------------|
| Local name | 2-Aminoethanol |
| IOELV TWA (mg/m ³) | 2.5 mg/m ³ |
| IOELV TWA (ppm) | 1 ppm |
| IOELV STEL (mg/m ³) | 7.6 mg/m ³ |
| IOELV STEL (ppm) | 3 ppm |
| Notes | skin |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |

United Kingdom - Occupational Exposure Limits

| | |
|-------------------------------|---|
| Local name | 2-Aminoethanol |
| WEL TWA (mg/m ³) | 2.5 mg/m ³ |
| WEL TWA (ppm) | 1 ppm |
| WEL STEL (mg/m ³) | 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 - Occupational Exposure Limits

| | |
|---------------------------------|---------------------------------|
| Local name | 2-Butoxyethanol |
| IOELV TWA (mg/m ³) | 98 mg/m ³ |
| IOELV TWA (ppm) | 20 ppm |
| IOELV STEL (mg/m ³) | 246 mg/m ³ |
| IOELV 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 (8 hours ref) (mg/m ³) | 98 mg/m ³ |
| OEL (8 hours ref) (ppm) | 20 ppm |
| OEL (15 min ref) (mg/m ³) | 246 mg/m ³ |
| OEL (15 min ref) (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 |

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2-butoxyethanol (111-76-2)

United Kingdom - Occupational Exposure Limits

| | |
|-------------------------------|---|
| Local name | 2-Butoxyethanol |
| WEL TWA (mg/m ³) | 123 mg/m ³ |
| WEL TWA (ppm) | 25 ppm |
| WEL STEL (mg/m ³) | 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 |
| United Kingdom (BEI) | 240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Personal protective equipment symbol(s):



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 |
| Physical state/form | : Liquid. |
| Colour | : red. |
| Odour | : Characteristic. |
| Odour threshold | : No data available |
| pH | : 13 – 14 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point/range | : 0 °C |
| Freezing point | : No data available |
| Boiling point/Boiling range | : 100 °C |
| Flash point | : No data available |
| Autoignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapour pressure | : No data available |

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| | |
|----------------------------------|---------------------|
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 1.06 |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

VOC content : 85 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

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

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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 |

Sodium hydroxide (1310-73-2)

| | |
|----------------|-----------------------|
| ATE CLP (oral) | 2000 mg/kg bodyweight |
|----------------|-----------------------|

Monoethanolamine (141-43-5)

| | |
|---------------------|-----------------------|
| LD50 oral rat | 1515 mg/kg |
| LD50 dermal rabbit | 2504 mg/kg |
| ATE CLP (oral) | 500 mg/kg bodyweight |
| ATE CLP (dermal) | 1100 mg/kg bodyweight |
| ATE CLP (gases) | 4500 ppmv/4h |
| ATE CLP (vapours) | 11 mg/l/4h |
| ATE CLP (dust,mist) | 1.5 mg/l/4h |

Fatty alcohol ethoxylate (160875-66-1)

| | |
|-----------------|--------------------------|
| LD50 oral rat | > 300 (300 – 2000) mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| ATE CLP (oral) | 300 mg/kg bodyweight |

Isotridecanol, ethoxylated (69011-36-5)

| | |
|----------------|----------------------|
| ATE CLP (oral) | 500 mg/kg bodyweight |
|----------------|----------------------|

2-butoxyethanol (111-76-2)

| | |
|---------------|------------|
| LD50 oral rat | 1300 mg/kg |
|---------------|------------|

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| | |
|-----------------------------------|-----------------------|
| 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 |
| ATE CLP (oral) | 1300 mg/kg bodyweight |
| ATE CLP (dermal) | 1100 mg/kg bodyweight |
| ATE CLP (gases) | 4500 ppmv/4h |
| ATE CLP (vapours) | 11 mg/l/4h |
| ATE CLP (dust,mist) | 1.5 mg/l/4h |

3-butoxy-2-propanol (5131-66-8)

| | |
|---------------------------------|---|
| LD50 oral rat | 3300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2800 - 4500 |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat (Vapours) | 35 mg/l/4h |
| ATE CLP (oral) | 3300 mg/kg bodyweight |
| ATE CLP (dermal) | 2000 mg/kg bodyweight |
| ATE CLP (vapours) | 35 mg/l/4h |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Causes severe skin burns. pH: 13 – 14 |
| Additional information | : Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | : Assumed to cause serious eye damage pH: 13 – 14 |
| Additional information | : Based on available data, the classification criteria are not met |
| 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 | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |

3-butoxy-2-propanol (5131-66-8)

| | |
|----------------------------|---|
| LOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days) | 350 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

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| | |
|---|---|
| Aspiration hazard | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| 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 |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

Sodium hydroxide (1310-73-2)

| | |
|--------------------------------|--------------------------|
| LC50 fish 1 | > 35 mg/l |
| EC50 Daphnia 1 | 40.4 mg/l (Ceriodaphnia) |
| EC50 other aquatic organisms 1 | > 33 mg/l waterflea |

Fatty alcohol ethoxylate (160875-66-1)

| | |
|-------------------|-----------|
| EC50 Daphnia 1 | > 10 mg/l |
| ErC50 (algae) | > 10 mg/l |
| NOEC chronic fish | > 1 mg/l |

2-butoxyethanol (111-76-2)

| | |
|------------------------|--|
| LC50 fish 1 | 1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 Daphnia 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 |

3-butoxy-2-propanol (5131-66-8)

| | |
|----------------|--|
| LC50 fish 1 | > 560 mg/l Poecilia reticulata (Guppy) |
| EC50 Daphnia 1 | > 1000 mg/l |

12.2. Persistence and degradability

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| | |
|-------------------------------|---|
| 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. |
|-------------------------------|---|

Sodium hydroxide (1310-73-2)

| | |
|-------------------------------|-----------------|
| Persistence and degradability | Not applicable. |
|-------------------------------|-----------------|

Fatty alcohol ethoxylate (160875-66-1)

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

2-butoxyethanol (111-76-2)

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

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3-butoxy-2-propanol (5131-66-8)

| | |
|----------------|-------------|
| Biodegradation | 90 % (28 d) |
|----------------|-------------|

12.3. Bioaccumulative potential

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

Sodium hydroxide (1310-73-2)

| | |
|---------|-------|
| Log Pow | -3.88 |
|---------|-------|

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

Fatty alcohol ethoxylate (160875-66-1)

| | |
|---------------------------|---------------------|
| 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

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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

Component

| | |
|---|---|
| Isotridecanol, ethoxylated (69011-36-5) | 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. 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.

Waste / unused products : Avoid release to the environment.

SECTION 14: Transport information

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

| ADR | IMDG | IATA |
|---|---------------|---------------|
| 14.1. UN number | | |
| Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | |
| Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | |
| Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | |
| Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | |
| Not regulated | Not regulated | Not regulated |
| No supplementary information available | | |

14.6. Special precautions for user

Overland transport

Not regulated

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Transport by sea

Not regulated

Air transport

Not regulated

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

VOC content : 85 g/l

Detergent Regulation (648/2004/EC): Labelling of contents:

| Component | % |
|-----------------------|-------|
| non-ionic surfactants | 5-15% |

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 Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| 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 |
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |

UB10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|------|--|
| H318 | Causes serious eye damage. |
| 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. 1 | H314 | On basis of test data |
|--------------|------|-----------------------|

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.