

### 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

Main use category : Industrial use, Professional use  
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

##### Manufacturer

Clover Chemicals Ltd  
Clover House Macclesfield Road  
SK23 7DQ Whaley Bridge – Derbyshire  
United Kingdom  
T 01663 733114 - F 01663 733115  
[info@cloverchemicals.com](mailto:info@cloverchemicals.com) - [www.cloverchemicals.com](http://www.cloverchemicals.com)

##### Supplier

Christeyns NV  
Afrikalaan 182  
9000 GENT  
Belgium  
T +32 (0)9/ 223 38 71 - F +32 (0)9/ 233 03 44  
[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335

Full text of H- and EUH-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 : 2-aminoethanol  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.  
Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P260 - Do not breathe dust, fume, gas, mist, spray, vapours.

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P280 - Wear protective gloves, eye protection.  
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

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

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|---|--------|--|
| 2-butoxyethanol; ethylene glycol monobutyl ether substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit   | CAS-no: 111-76-2<br>Einecs nr: 203-905-0<br>EG annex nr: 603-014-00-0                               | 5 – 10 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319               |
| 2-aminoethanol substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, ES, FI, FR, GB, GI, GR, HU, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-no: 141-43-5<br>Einecs nr: 205-483-3<br>EG annex nr: 603-030-00-8<br>REACH-no: 01-2119486455-28 | 5 – 10 | Skin Corr. 1B, H314<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Oral), H302<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412 |
| Beta-alanine, N-(2-carboxyethyl)-,N-coco alykyl derivs., disodium salts  | CAS-no: 90170-43-7<br>Einecs nr: 290-476-8<br>REACH-no: 01-2119976233-35                            | 1 – 3  | Eye Irrit. 2, H319   |

### Specific concentration limits:

| Name           | Product identifier  | Specific concentration limits            |
|----------------|---|--|
| 2-aminoethanol | CAS-no: 141-43-5<br>Einecs nr: 205-483-3<br>EG annex nr: 603-030-00-8<br>REACH-no: 01-2119486455-28 | ( 5 $\leq$ C $\leq$ 100) STOT SE 3, H335 |

Full text of H- and EUH-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.

Ingestion

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

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### 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 Section 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

| 2-aminoethanol (141-43-5)                          |                       |
|--|-----------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                       |
| Local name   | 2-Aminoethanol        |
| IOEL TWA   | 2.5 mg/m <sup>3</sup> |
| IOEL TWA [ppm]                                     | 1 ppm                 |

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| <b>2-aminoethanol (141-43-5)</b>                                   |   |
|--|---|
| IOEL STEL  | 7.6 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]  | 3 ppm   |
| Remark   | skin  |
| Regulatory reference   | COMMISSION DIRECTIVE 2006/15/EC   |
| <b>United Kingdom - Occupational Exposure Limits</b>               |   |
| Local name   | 2-Aminoethanol  |
| WEL TWA (OEL TWA) [1]  | 2.5 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]  | 1 ppm   |
| WEL STEL (OEL STEL)  | 7.6 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]  | 3 ppm   |
| Remark   | 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   |
| <b>2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)</b> |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>          |   |
| Local name   | 2-Butoxyethanol   |
| IOEL TWA   | 98 mg/m <sup>3</sup>  |
| IOEL TWA [ppm]   | 20 ppm  |
| IOEL STEL  | 246 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]  | 50 ppm  |
| Remark   | Skin  |
| <b>United Kingdom - Occupational Exposure Limits</b>               |   |
| Local name   | 2-Butoxyethanol   |
| WEL TWA (OEL TWA) [1]  | 123 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]  | 25 ppm  |
| WEL STEL (OEL STEL)  | 246 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]  | 50 ppm  |
| Remark   | 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) |

### 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.

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### 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

#### 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  | : Light 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 explosion limit                           | : Not available     |
| Upper explosion limit                           | : 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                                | : 1.006             |
| Relative vapour density at 20°C                 | : Not available     |
| Particle characteristics                        | : Not applicable    |

### 9.2. Other information

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

No additional information available

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### 9.2.2. Other safety characteristics

No additional information available

## 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.

## 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

#### 2-aminoethanol (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           |

#### 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

|                                 |                       |
|---------------------------------|-----------------------|
| LD50 oral rat                   | 1300 mg/kg            |
| LC50 Inhalation - Rat (Vapours) | 2 mg/l/4h             |
| ATE CLP (oral)                  | 1300 mg/kg bodyweight |
| ATE CLP (dermal)                | 1100 mg/kg bodyweight |
| ATE CLP (vapours)               | 2 mg/l/4h             |
| ATE CLP (dust,mist)             | 1.5 mg/l/4h           |

Skin corrosion/irritation : Causes severe skin burns.  
pH: 11.3

Serious eye damage/irritation : Causes 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

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : May cause respiratory irritation.

#### 2-aminoethanol (141-43-5)

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

STOT-repeated exposure : Not classified

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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

No additional information available

#### 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

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

Not rapidly degradable

#### 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

|                            |           |
|----------------------------|-----------|
| LC50 - Fish [1]            | 1474 mg/l |
| EC50 - Crustacea [1]       | 1550 mg/l |
| ErC50 other aquatic plants | 1840 mg/l |
| NOEC chronic crustacea     | 100 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; ethylene glycol monobutyl ether (111-76-2)

Biodegradation : 90.4 %

### 12.3. Bioaccumulative potential

#### ZIP-STRIP

Bioaccumulative potential : No bioaccumulation.

#### 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

Bioconcentration factor (BCF REACH) : < 100  
Partition coefficient n-octanol/water (Log Kow) : ≈ 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.

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HP Code : HP8 - "Corrosive:" waste which on application can cause skin corrosion.

### SECTION 14: Transport information

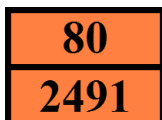
In accordance with ADR / IMDG / IATA

| ADR   | IMDG  | IATA  |
|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |
| UN 2491   | UN 2491   | UN 2491   |
| <b>14.2. UN proper shipping name</b>  |   |   |
| ETHANOLAMINE SOLUTION (2-aminoethanol)  | ETHANOLAMINE SOLUTION (2-aminoethanol)  | Ethanolamine solution (2-aminoethanol)  |
| <b>Transport document description</b>   |   |   |
| UN 2491 ETHANOLAMINE SOLUTION (2-aminoethanol), 8, III, (E)                       | UN 2491 ETHANOLAMINE SOLUTION (2-aminoethanol), 8, III                            | UN 2491 Ethanolamine solution (2-aminoethanol), 8, III                              |
| <b>14.3. Transport hazard class(es)</b>   |   |   |
| 8   | 8   | 8   |
|  |  |  |
| <b>14.4. Packing group</b>  |   |   |
| III   | III   | III   |
| <b>14.5. Environmental hazards</b>  |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>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



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### 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

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

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

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

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

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

##### REACH Candidate List (SVHC)

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

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

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

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

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

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Detergent Regulation (648/2004)

| Labelling of contents                         |     |
|---|-----|
| Component                                     | %   |
| non-ionic surfactants, amphoteric surfactants | <5% |

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

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

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

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

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

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 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3                          |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| H302                                | Harmful if swallowed.  |
| H312                                | Harmful in contact with skin.  |
| H314                                | Causes severe skin burns and eye damage.   |
| H315                                | Causes skin irritation.  |
| 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.   |
| 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 |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Skin Corr. 1B   | H314 | Calculation method |
| Eye Dam. 1  | H318 | 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.