

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

### 1.1. Product identifier

Product form : Mixture  
 Product name : NERTA TC 2000  
 UFI : PA23-X0PN-700E-2MFH  
 Product code : ENT-001110  
 Type of product : Cleaning product,Detergent

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

#### Relevant identified uses

Main use category : Industrial use,Professional use  
 Use of the substance/mixture : Cleaning/washing agents and additives

| Title | Life cycle stage | Use descriptors                                               |
|-------|------------------|---------------------------------------------------------------|
|       |                  | SU3, SU22, PC35, PROC7, PROC8a, PROC8b, PROC10, PROC11, ERC8a |

Full text of use descriptors: see section 16

### 1.3. Details of the supplier of the safety data sheet

ENTACO NV  
 Bouwstraat 20  
 B-9160 Lokeren  
 Belgique-België  
 T 32 9 340 60 60, F 32 9 340 60 61  
[info@nerta.com](mailto:info@nerta.com), [www.nerta.com](http://www.nerta.com)

### 1.4. Emergency telephone number

No additional information available

## 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 2 H315  
 Serious eye damage/eye irritation, Category 1 H318

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. Causes serious eye damage.

### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: sodium hydroxide; Fatty alcohol ethoxylated; tetrasodium ethylene diamine tetraacetate

Hazard statements (CLP)

: H315 - Causes skin irritation.  
 H318 - Causes serious eye damage.

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Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a doctor, a POISON CENTER.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.

### 2.3. Other hazards

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

| Component                                                                                     |                                                                                             |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | Fatty alcohol ethoxylated (68439-50-9), tetrasodium ethylene diamine tetraacetate (64-02-8) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Fatty alcohol ethoxylated (68439-50-9), tetrasodium ethylene diamine tetraacetate (64-02-8) |

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 substance(s) are 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 %

| Component                                                                                                                                                                                                                                                                                                                               |                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Substance(s) not 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 | Fatty alcohol ethoxylated (68439-50-9) |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                      | Product identifier                                                                                  | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                     |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|
| sodium hydroxide                          | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | 1 – 5 | Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Met. Corr. 1, H290                                       |
| COCAMIDOPROPYL BETAINE                    | CAS-No.: 147170-44-3<br>EC-No.: 931-333-8<br>REACH-no: 01-2119489410-39                             | 1 – 5 | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                                                         |
| tetrasodium ethylene diamine tetraacetate | CAS-No.: 64-02-8<br>EC-No.: 200-573-9<br>EC Index-No.: 607-428-00-2<br>REACH-no: 01-2119486762-27   | 1 – 5 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Eye Dam. 1, H318<br>STOT RE 2, H373 |
| Fatty alcohol ethoxylated                 | CAS-No.: 68439-50-9                                                                                 | 1 – 5 | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                                                         |

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| Specific concentration limits: |                                                                                                     |                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Name                           | Product identifier                                                                                  | Specific concentration limits (%)                                                                                                             |
| sodium hydroxide               | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | (0.5 ≤ C < 2) Eye Irrit. 2; H319<br>(0.5 ≤ C < 2) Skin Irrit. 2; H315<br>(2 ≤ C < 5) Skin Corr. 1B; H314<br>(5 ≤ C < 100) Skin Corr. 1A; H314 |
| COCAMIDOPROPYL BETAINE         | CAS-No.: 147170-44-3<br>EC-No.: 931-333-8<br>REACH-no: 01-2119489410-39                             | (4 < C ≤ 10) Eye Irrit. 2; H319<br>(10 < C < 100) Eye Dam. 1; H318                                                                            |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a physician immediately.                                                                                                                      |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                     |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.                                        |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.                                                                                 |
| Self protection of the first-aider    | : First aid workers will be equipped with suitable personal protective equipment.                                                                    |

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

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : Burns.                        |
| Symptoms/effects after eye contact  | : Serious damage to eyes.       |
| Symptoms/effects after ingestion    | : Burns.                        |

### 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 spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3. Advice for firefighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Store locked up. Keep out of direct sunlight.  
Packaging materials : Store always product in container of same material as original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

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### Personal protection equipment

#### Personal protective equipment:

Safety glasses. Protective clothing. Gloves. Face shield.

#### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

Safety glasses. Chemical goggles or safety glasses. Use eye protection according to EN 166, designed to protect against liquid splashes. ISO 16321-1. Chemical goggles or face shield

| Eye protection              |                      |                 |          |
|-----------------------------|----------------------|-----------------|----------|
| Type                        | Field of application | Characteristics | Standard |
| Safety glasses, Face shield | Droplet              | clear           | EN 166   |

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent). ISO 374-1

| Hand protection                       |                      |                  |                |             |                                                             |
|---------------------------------------|----------------------|------------------|----------------|-------------|-------------------------------------------------------------|
| Type                                  | Material             | Permeation       | Thickness (mm) | Penetration | Standard                                                    |
| Disposable gloves,<br>Reusable gloves | Nitrile rubber (NBR) | 3 (> 60 minutes) | 0.2 - 0.4      | 2 (< 1.5)   | EN ISO 374-1,<br>EN 420, EN ISO<br>374, EN 388, EN<br>374-3 |

### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Suitable respiratory equipment : B" (EN 141)"

| Respiratory protection |                 |                |          |
|------------------------|-----------------|----------------|----------|
| Device                 | Filter type     | Condition      | Standard |
| Full face mask         | Filter B (grey) | Gas protection | EN 143   |

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                   |
|-----------------|-------------------|
| Physical state  | : Liquid          |
| Colour          | : light yellow.   |
| Odour           | : characteristic. |
| Odour threshold | : Not available   |
| Melting point   | : Not applicable  |
| Freezing point  | : Not available   |
| Boiling point   | : Not available   |
| Flammability    | : Non flammable.  |

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|                                                 |                     |
|-------------------------------------------------|---------------------|
| Lower explosion limit                           | : Not available     |
| Upper explosion limit                           | : Not available     |
| Flash point                                     | : Not available     |
| Auto-ignition temperature                       | : Not available     |
| Decomposition temperature                       | : Not available     |
| pH                                              | : ≈ 12              |
| pH solution concentration                       | : 1 %               |
| 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                                | : ≈ 1.09            |
| Relative vapour density at 20°C                 | : Not available     |
| Particle characteristics                        | : Not applicable    |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 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

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 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 |

| sodium hydroxide (1310-73-2)           |                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                          | > 191 mg/kg                                                                                                                                |
| LD50 dermal rabbit                     | 1350 mg/kg                                                                                                                                 |
| Fatty alcohol ethoxylated (68439-50-9) |                                                                                                                                            |
| LD50 oral rat                          | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)) |
| LD50 dermal rat                        | > 2000 mg/kg bodyweight                                                                                                                    |

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|                                                            |                                                                                                                                                                          |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>COCAMIDOPROPYL BETAINE (147170-44-3)</b>                |                                                                                                                                                                          |
| LD50 oral rat                                              | 2335 mg/kg                                                                                                                                                               |
| LD50 oral                                                  | > 5000 mg/kg bodyweight                                                                                                                                                  |
| LD50 dermal rat                                            | > 2000 mg/kg                                                                                                                                                             |
| <b>tetrasodium ethylene diamine tetraacetate (64-02-8)</b> |                                                                                                                                                                          |
| LD50 oral                                                  | 1780 mg/kg bodyweight                                                                                                                                                    |
| LC50 Inhalation - Rat                                      | 1000 – 5000 mg/m³                                                                                                                                                        |
| Skin corrosion/irritation                                  | : Causes skin irritation.<br>pH: ≈ 12                                                                                                                                    |
| <b>Fatty alcohol ethoxylated (68439-50-9)</b>              |                                                                                                                                                                          |
| pH                                                         | ≈ 6                                                                                                                                                                      |
| <b>COCAMIDOPROPYL BETAINE (147170-44-3)</b>                |                                                                                                                                                                          |
| pH                                                         | ≈ 5                                                                                                                                                                      |
| Serious eye damage/irritation                              | : Causes serious eye damage.<br>pH: ≈ 12                                                                                                                                 |
| <b>Fatty alcohol ethoxylated (68439-50-9)</b>              |                                                                                                                                                                          |
| pH                                                         | ≈ 6                                                                                                                                                                      |
| <b>COCAMIDOPROPYL BETAINE (147170-44-3)</b>                |                                                                                                                                                                          |
| pH                                                         | ≈ 5                                                                                                                                                                      |
| 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                                                                                                                                                         |
| <b>Fatty alcohol ethoxylated (68439-50-9)</b>              |                                                                                                                                                                          |
| NOAEL (oral, rat, 90 days)                                 | ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| <b>tetrasodium ethylene diamine tetraacetate (64-02-8)</b> |                                                                                                                                                                          |
| LOAEL (oral, rat, 90 days)                                 | 60 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                                                     |
| LOAEC (inhalation, rat, dust/mist/fume, 90 days)           | 0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)                                             |
| NOAEL (oral, rat, 90 days)                                 | 6 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                                                      |
| STOT-repeated exposure                                     | May cause damage to organs through prolonged or repeated exposure.                                                                                                       |
| Aspiration hazard                                          | : Not classified                                                                                                                                                         |
| <b>sodium hydroxide (1310-73-2)</b>                        |                                                                                                                                                                          |
| Viscosity, kinematic                                       | Not applicable                                                                                                                                                           |
| <b>Fatty alcohol ethoxylated (68439-50-9)</b>              |                                                                                                                                                                          |
| Viscosity, kinematic                                       | 206185567.01 mm²/s                                                                                                                                                       |

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### COCAMIDOPROPYL BETAINE (147170-44-3)

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                                                                                                     |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. Before neutralisation, the product may represent a danger to aquatic organisms. |
| 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 - Crustacea [1]               | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |
| EC50 - Other aquatic organisms [1] | > 33 mg/l waterflea                                  |

### Fatty alcohol ethoxylated (68439-50-9)

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 6.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| LC50 - Fish [2]      | 1.2 mg/l Test organisms (species): Cyprinus carpio                                |
| EC50 - Crustacea [1] | 1.2 mg/l Test organisms (species): Daphnia magna                                  |
| EC50 - Crustacea [2] | 1.4 mg/l Test organisms (species): Daphnia magna                                  |
| EC50 72h - Algae [1] | > 0 (1 – 10) mg/l                                                                 |
| NOEC chronic algae   | 0.1 – 1 ml/l                                                                      |

### COCAMIDOPROPYL BETAINE (147170-44-3)

|                                    |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------|
| LC50 - Fish [1]                    | 1.11 mg/l Test organisms (species): Pimephales promelas                            |
| LC50 - Fish [2]                    | 49.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1]               | 6.5 mg/l Test organisms (species): Daphnia magna                                   |
| EC50 - Crustacea [2]               | 124 mg/l Test organisms (species): Daphnia magna                                   |
| EC50 - Other aquatic organisms [1] | 21.5 mg/l waterflea                                                                |
| EC50 - Other aquatic organisms [2] | 30 mg/l                                                                            |
| ErC50 algae                        | 2.4 mg/l                                                                           |
| NOEC (chronic)                     | 0.135 mg/l                                                                         |

### tetrasodium ethylene diamine tetraacetate (64-02-8)

|                                    |                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                    | > 121 mg/l                                                                                                                                |
| EC50 - Crustacea [1]               | > 114 mg/l Test organisms (species): Daphnia magna                                                                                        |
| EC50 - Other aquatic organisms [1] | 625 mg/l waterflea                                                                                                                        |
| EC50 - Other aquatic organisms [2] | 2.77 mg/l                                                                                                                                 |
| EC50 72h - Algae [1]               | > 60 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |



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### tetrasodium ethylene diamine tetraacetate (64-02-8)

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| LOEC (chronic)         | 50 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic)         | 25 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish      | ≥ 25.7 mg/l Test organisms (species): Duration: '35 d'           |
| NOEC chronic crustacea | 25 mg/l                                                          |

### 12.2. Persistence and degradability

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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | Product is 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. Contained surfactants are over 90 % biodegradable. Product is biodegradable. |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### sodium hydroxide (1310-73-2)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | Product is 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. Contained surfactants are over 90 % biodegradable, Product is biodegradable. |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Fatty alcohol ethoxylated (68439-50-9)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

#### COCAMIDOPROPYL BETAINE (147170-44-3)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | This surfactant complies 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, Product is biodegradable, Product is 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, Contained surfactants are over 90 % biodegradable. |
| Biodegradation                | 91.6 % OECD 301 B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### tetrasodium ethylene diamine tetraacetate (64-02-8)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

#### sodium hydroxide (1310-73-2)

|                                                 |       |
|-------------------------------------------------|-------|
| Partition coefficient n-octanol/water (Log Pow) | -3.88 |
|-------------------------------------------------|-------|

#### Fatty alcohol ethoxylated (68439-50-9)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### COCAMIDOPROPYL BETAINE (147170-44-3)

|                                                 |       |
|-------------------------------------------------|-------|
| Partition coefficient n-octanol/water (Log Pow) | ≈ 4.2 |
|-------------------------------------------------|-------|

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### tetrasodium ethylene diamine tetraacetate (64-02-8)

|                                                 |       |
|-------------------------------------------------|-------|
| Partition coefficient n-octanol/water (Log Pow) | -0.43 |
|-------------------------------------------------|-------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Component

|                                                                                               |                                                                                             |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | Fatty alcohol ethoxylated (68439-50-9), tetrasodium ethylene diamine tetraacetate (64-02-8) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Fatty alcohol ethoxylated (68439-50-9), tetrasodium ethylene diamine tetraacetate (64-02-8) |

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                                                                                                                                                                                                            |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. Must follow special treatment according to local regulation.                                                                                                                                                                                                                                                            |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                                                                                                                                                                                                            |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Discharging into rivers and drains is forbidden. Dispose in a safe manner in accordance with local/national regulations. The packaging has to be emptied completely. |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                                                                                                                                                                                                     |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

### 14.1. UN number or ID number

Not regulated for transport

### 14.2. UN proper shipping name

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

### 14.3. Transport hazard class(es)

#### ADR

|                                  |                 |
|----------------------------------|-----------------|
| Transport hazard class(es) (ADR) | : Not regulated |
|----------------------------------|-----------------|

#### IMDG

|                                   |                 |
|-----------------------------------|-----------------|
| Transport hazard class(es) (IMDG) | : Not regulated |
|-----------------------------------|-----------------|

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### IATA

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

### RID

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

### 14.4. Packing group

Packing group (ADR) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (RID) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Rail transport

Not regulated

### 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

#### EU-Regulations

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

| EU restriction list (REACH Annex XVII) |                                           |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                             | Entry title or description                                                                                                                                                                                                                                                                                        |
| 3(b)                                   | NERTA TC 2000 ; Fatty alcohol ethoxylated | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)                                   | Fatty alcohol ethoxylated                 | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                         |

##### 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)

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### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### Detergent Regulation (EC 648/2004)

| Labelling of contents                                                                       |     |
|---------------------------------------------------------------------------------------------|-----|
| Component                                                                                   | %   |
| non-ionic surfactants, amphoteric surfactants, EDTA and salts thereof, cationic surfactants | <5% |

### Explosives Precursors Regulation (EU 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 (EC 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)

### National regulations

## 15.2. Chemical safety assessment

A chemical safety assessment has been carried out by the registrant

**For the following substances of this mixture a chemical safety assessment has been carried out:**

sodium hydroxide  
COCAMIDOPROPYL BETAINE  
tetrasodium ethylene diamine tetraacetate

## SECTION 16: Other information

### Indication of changes:

Modified.

| Indication of changes |                                                                 |          |
|-----------------------|-----------------------------------------------------------------|----------|
| Section               | Changed item                                                    | Comments |
|                       | SDS Ref.                                                        | Modified |
| 1.1                   | UFI on SDS 1.1                                                  | Added    |
| 1.2                   | Use of the substance/mixture                                    | Added    |
| 1.2                   | Main use category                                               | Added    |
| 2.1                   | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified |
| 2.2                   | Hazard statements (CLP)                                         | Modified |
| 3                     | Composition/information on ingredients                          | Modified |
| 4                     | Self protection of the first-aider                              | Added    |
| 4.2                   | Symptoms/effects after inhalation                               | Modified |
| 8.2                   | Personal protective equipment                                   | Modified |
| 8.2                   | Respiratory protection                                          | Modified |
| 9                     | pH solution                                                     | Modified |
| 9                     | Relative density                                                | Modified |
| 9                     | Concentration of the solution used for the pH measurement       | Added    |

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| Indication of changes |                                                           |          |
|-----------------------|-----------------------------------------------------------|----------|
| Section               | Changed item                                              | Comments |
| 9                     | pH                                                        | Added    |
| 14                    | UN-No. (RID)                                              | Removed  |
| 14                    | Number of blue cones/lights (ADN)                         | Removed  |
| 14                    | Equipment required (ADN)                                  | Removed  |
| 14                    | Carriage permitted (ADN)                                  | Removed  |
| 14                    | Excepted quantities (ADN)                                 | Removed  |
| 14                    | Limited quantities (ADN)                                  | Removed  |
| 14                    | Danger labels (ADN)                                       | Removed  |
| 14                    | Classification code (ADN)                                 | Removed  |
| 14                    | Proper Shipping Name (RID)                                | Removed  |
| 14                    | Hazard identification number (RID)                        | Removed  |
| 14                    | Colis express (express parcels) (RID)                     | Removed  |
| 14                    | Special provisions for carriage – Packages (RID)          | Removed  |
| 14                    | Transport category (RID)                                  | Removed  |
| 14                    | Tank codes for RID tanks (RID)                            | Removed  |
| 14                    | Portable tank and bulk container special provisions (RID) | Removed  |
| 14                    | Portable tank and bulk container instructions (RID)       | Removed  |
| 14                    | Mixed packing provisions (RID)                            | Removed  |
| 14                    | Packing instructions (RID)                                | Removed  |
| 14                    | Excepted quantities (RID)                                 | Removed  |
| 14                    | Limited quantities (RID)                                  | Removed  |
| 14                    | Special provisions (RID)                                  | Removed  |
| 14                    | Packing group (RID)                                       | Removed  |
| 14                    | Classification code (RID)                                 | Removed  |
| 14                    | ERG code (IATA)                                           | Removed  |
| 14                    | Special provisions (IATA)                                 | Removed  |
| 14                    | CAO max net quantity (IATA)                               | Removed  |
| 14                    | CAO packing instructions (IATA)                           | Removed  |
| 14                    | PCA max net quantity (IATA)                               | Removed  |
| 14                    | PCA packing instructions (IATA)                           | Removed  |
| 14                    | PCA limited quantity max net quantity (IATA)              | Removed  |
| 14                    | PCA Limited quantities (IATA)                             | Removed  |
| 14                    | PCA Excepted quantities (IATA)                            | Removed  |
| 14                    | Danger labels (IATA)                                      | Removed  |
| 14                    | Proper Shipping Name (IATA)                               | Removed  |
| 14                    | Properties and observations (IMDG)                        | Removed  |

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| Indication of changes |                                                           |          |
|-----------------------|-----------------------------------------------------------|----------|
| Section               | Changed item                                              | Comments |
| 14                    | Proper Shipping Name (IMDG)                               | Removed  |
| 14                    | Danger labels (IMDG)                                      | Removed  |
| 14                    | EmS-No. (Spillage)                                        | Removed  |
| 14                    | EmS-No. (Fire)                                            | Removed  |
| 14                    | Limited quantities (IMDG)                                 | Removed  |
| 14                    | Segregation (IMDG)                                        | Removed  |
| 14                    | Stowage category (IMDG)                                   | Removed  |
| 14                    | Tank special provisions (IMDG)                            | Removed  |
| 14                    | Tank instructions (IMDG)                                  | Removed  |
| 14                    | IBC packing instructions (IMDG)                           | Removed  |
| 14                    | Excepted quantities (IMDG)                                | Removed  |
| 14                    | Special provisions (IMDG)                                 | Removed  |
| 14                    | Special provisions for carriage - Packages (ADR)          | Removed  |
| 14                    | Tank code (ADR)                                           | Removed  |
| 14                    | Portable tank and bulk container special provisions (ADR) | Removed  |
| 14                    | Portable tank and bulk container instructions (ADR)       | Removed  |
| 14                    | Mixed packing provisions (ADR)                            | Removed  |
| 14                    | Packing instructions (ADR)                                | Removed  |
| 14                    | Vehicle for tank carriage                                 | Removed  |
| 14.1                  | UN-No. (ADN)                                              | Removed  |
| 14.1                  | UN-No. (ADR)                                              | Removed  |
| 14.1                  | UN-No. (IMDG)                                             | Removed  |
| 14.1                  | UN-No. (IATA)                                             | Removed  |
| 14.2                  | Proper Shipping Name (ADN)                                | Removed  |
| 14.2                  | Proper Shipping Name (ADR)                                | Removed  |
| 14.3                  | Danger labels (RID)                                       | Removed  |
| 14.3                  | Danger labels (ADR)                                       | Removed  |
| 14.4                  | Packing group (ADN)                                       | Removed  |
| 14.4                  | Packing group (IATA)                                      | Removed  |
| 14.4                  | Packing group (IMDG)                                      | Removed  |
| 14.4                  | Packing group (ADR)                                       | Removed  |
| 14.6                  | Special provisions (ADN)                                  | Removed  |
| 14.6                  | Packing instructions (IMDG)                               | Removed  |
| 14.6                  | Transport category (ADR)                                  | Removed  |
| 14.6                  | Special provisions (ADR)                                  | Removed  |
| 14.6                  | Excepted quantities (ADR)                                 | Removed  |

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| Indication of changes |                                           |          |
|-----------------------|-------------------------------------------|----------|
| Section               | Changed item                              | Comments |
| 14.6                  | Limited quantities (ADR)                  | Removed  |
| 14.6                  | Tunnel restriction code (ADR)             | Removed  |
| 14.6                  | Hazard identification number (Kemler No.) | Removed  |
| 14.6                  | Classification code (ADR)                 | Removed  |
| 15.1                  | REACH Annex XVII                          | Added    |
| 15.2                  | Chemical safety assessment                | Modified |
| 16                    | Abbreviations and acronyms                | Modified |

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| PBT                         | Persistent Bioaccumulative Toxic                                                                |
| PNEC                        | Predicted No-Effect Concentration                                                               |
| vPvB                        | Very Persistent and Very Bioaccumulative                                                        |
| ACGIH                       | American Conference of Government Industrial Hygienists                                         |
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| CAS-No.                     | Chemical Abstract Service number                                                                |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| CSA                         | Chemical safety assessment                                                                      |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |
| EC-No.                      | European Community number                                                                       |
| EC50                        | Median effective concentration                                                                  |
| ED                          | Endocrine disruptor                                                                             |
| EN                          | European Standard                                                                               |
| EWC                         | European waste catalogue                                                                        |
| IARC                        | International Agency for Research on Cancer                                                     |
| IATA                        | International Air Transport Association                                                         |
| IMDG                        | International Maritime Dangerous Goods                                                          |
| LC50                        | Median lethal concentration                                                                     |
| LD50                        | Median lethal dose                                                                              |
| LOAEL                       | Lowest Observed Adverse Effect Level                                                            |
| Log Kow                     | Partition coefficient n-octanol/water (Log Kow)                                                 |
| Log Pow                     | Partition coefficient n-octanol/water (Log Pow)                                                 |

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| Abbreviations and acronyms: |                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------|
| MAK                         | maximum workplace concentration                                                                   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                                          |
| NOAEL                       | No-Observed Adverse Effect Level                                                                  |
| NOEC                        | No-Observed Effect Concentration                                                                  |
| N.O.S.                      | Not Otherwise Specified                                                                           |
| OECD                        | Organisation for Economic Co-operation and Development                                            |
| OEL                         | Occupational Exposure Limit                                                                       |
| OSHA                        | Occupational Safety Health Administration                                                         |
| PPE                         | Personal protection equipment                                                                     |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS                         | Safety Data Sheet                                                                                 |
| STP                         | Sewage treatment plant                                                                            |
| TF                          | Technical function                                                                                |
| ThOD                        | Theoretical oxygen demand (ThOD)                                                                  |
| TLM                         | Median Tolerance Limit                                                                            |
| TWA                         | Time Weighted Average                                                                             |
| VOC                         | Volatile Organic Compounds                                                                        |
| UFI                         | Unique Formula Identifier                                                                         |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |

|                 |                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Training advice | : Normal use of this product shall imply use in accordance with the instructions on the packaging.                                                                                                                                                                              |

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| 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. 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 RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2    |
| H290                                | May be corrosive to metals.                                       |
| H302                                | Harmful if swallowed.                                             |
| H314                                | Causes severe skin burns and eye damage.                          |
| H315                                | Causes skin irritation.                                           |



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### Full text of H- and EUH-statements:

|      |                                                                    |
|------|--------------------------------------------------------------------|
| H318 | Causes serious eye damage.                                         |
| H319 | Causes serious eye irritation.                                     |
| H332 | Harmful if inhaled.                                                |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.                 |

### Full text of use descriptors

|        |                                                                                                  |
|--------|--------------------------------------------------------------------------------------------------|
| ERC8a  | Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)        |
| PC35   | Washing and cleaning products                                                                    |
| PROC10 | Roller application or brushing                                                                   |
| PROC11 | Non industrial spraying                                                                          |
| PROC7  | Industrial spraying                                                                              |
| PROC8a | Transfer of substance or mixture (charging and discharging) at non-dedicated facilities          |
| PROC8b | Transfer of substance or mixture (charging and discharging) at dedicated facilities              |
| SU22   | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| SU3    | Industrial uses: Uses of substances as such or in preparations at industrial sites               |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|               |      |                      |
|---------------|------|----------------------|
| Skin Irrit. 2 | H315 | Expert judgement     |
| Eye Dam. 1    | H318 | Annex VII conversion |

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.