

# ECO DAILY TOILET CLEANER

CODE : TC1345

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Revision date: 05/01/2023 Version: 10.55

Generated : 05/01/2024

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ECO DAILY TOILET CLEANER  
UFI : R834-V06K-J008-OJ91  
Product code : TC1345  
Type of product : Detergent

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Superconcentrated Toilet Cleaner

##### 1.2.2. Uses advised against

No additional information available

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

##### MANGROVE PROFESSIONAL

PO BOX 3348  
STAFFORD  
ST16 9NW  
UNITED KINGDOM

Tel: 01785 253 702

#### 1.4. Emergency telephone number

| Country        | Organisation/Company                                                         | 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 Birmingham        | 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 H314  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411  
Full text of H- and EUH-statements: see section 16

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

No additional information available

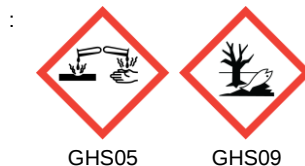
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## 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

GHS09

Signal word (CLP)

: Danger

Contains

: Quaternary ammonium compounds, tallow trimethyl, chlorides

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective gloves.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315 - Get immediate medical advice/attention.  
P391 - Collect spillage.  
P405 - Store locked up.

## 2.3. Other hazards

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]                                                                       |
|------------------------------------------------------------|-----------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------|
| Quaternary ammonium compounds, tallow trimethyl, chlorides | CAS-No.: 8030-78-2<br>EC-No.: 232-447-4<br>REACH-no: 01-2119970170-45 | 10 – 15 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=1) |
| Propan-2-ol                                                | CAS-No.: 67-63-0<br>EC-No.: 200-661-7                                 | 5 – 10  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336                                                                           |
| Sodium xylenesulphonate                                    | CAS-No.: 1300-72-7<br>EC-No.: 215-090-9<br>REACH-no: 01-2119513350-56 | 5 – 10  | Eye Irrit. 2, H319                                                                                                                    |
| Citric acid                                                | CAS-No.: 77-92-9<br>EC-No.: 201-069-1<br>REACH-no: 01-2119457026-42   | 5 – 10  | Eye Irrit. 2, H319                                                                                                                    |

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Get medical advice/attention if you feel unwell.                                                                                                             |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                               |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention.                       |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion    | : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.                                                                    |

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

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Symptoms/effects after inhalation   | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Burns.                            |
| Symptoms/effects after eye contact  | : Causes serious eye damage.        |
| Symptoms/effects after ingestion    | : Burns.                            |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |                                     |
|------------------------------|-------------------------------------|
| Suitable extinguishing media | : Carbon dioxide. Dry powder. Foam. |
|------------------------------|-------------------------------------|

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

|                                                  |                      |
|--------------------------------------------------|----------------------|
| Hazardous decomposition products in case of fire | : Corrosive vapours. |
|--------------------------------------------------|----------------------|

#### 5.3. Advice for firefighters

No additional information available

### 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 | : Use personal protective equipment as required. |
|----------------------|--------------------------------------------------|

#### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| For containment         | : Collect spillage.                                                                         |
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. |

#### 6.4. Reference to other sections

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

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Precautions for safe handling | : Avoid contact with skin and eyes.                   |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. |

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

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Technical measures         | : Does not require any specific or particular technical measures. |
| Storage conditions         | : Keep container closed when not in use.                          |
| Incompatible products      | : Oxidizing agent. Strong acids. Strong bases.                    |
| Incompatible materials     | : Metals.                                                         |
| Special rules on packaging | : Keep only in original container.                                |

#### 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

No additional information available

##### 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

No additional information available

##### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



###### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses. ISO 16321-1

###### 8.2.2.2. Skin protection

###### Skin and body protection:

Not required for normal conditions of use

###### Hand protection:

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

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Other skin protection

Materials for protective clothing:

Not required for normal conditions of use

8.2.2.3. Respiratory protection

Respiratory protection:

Not required for normal conditions of use

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

|                                                 |                                      |
|-------------------------------------------------|--------------------------------------|
| Physical state                                  | : Liquid                             |
| Colour                                          | : dark blue.                         |
| Appearance                                      | : Liquid.                            |
| Odour                                           | : Floral.                            |
| Odour threshold                                 | : Not available                      |
| Melting point                                   | : Not available                      |
| Freezing point                                  | : Not available                      |
| Boiling point                                   | : $\geq 100\text{ }^{\circ}\text{C}$ |
| Flammability                                    | : Not available                      |
| Explosive limits                                | : Not available                      |
| Lower explosive limit (LEL)                     | : Not available                      |
| Upper explosive limit (UEL)                     | : Not available                      |
| Flash point                                     | : Not available                      |
| Auto-ignition temperature                       | : Not available                      |
| Decomposition temperature                       | : Not available                      |
| pH                                              | : 1.9                                |
| 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                                | : 1.02                               |
| Relative vapour density at 20°C                 | : Not available                      |
| Particle size                                   | : Not applicable                     |
| Particle size distribution                      | : Not applicable                     |
| Particle shape                                  | : Not applicable                     |
| Particle aspect ratio                           | : Not applicable                     |
| Particle aggregation state                      | : Not applicable                     |
| Particle agglomeration state                    | : Not applicable                     |
| Particle specific surface area                  | : Not applicable                     |
| Particle dustiness                              | : Not applicable                     |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

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## 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

alkalis.

### 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                        |
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 1.9  |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 1.9 |
| Respiratory or skin sensitisation | : Not classified                        |
| Germ cell mutagenicity            | : Not classified                        |
| Carcinogenicity                   | : Not classified                        |
| Reproductive toxicity             | : Not classified                        |
| STOT-single exposure              | : Not classified                        |

#### Propan-2-ol

|                        |                                    |
|------------------------|------------------------------------|
| STOT-single exposure   | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified                   |
| Aspiration hazard      | : Not classified                   |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                    |
|-----------------------------------------------------------|----------------------------------------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Very toxic to aquatic life.                      |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

#### Citric acid (77-92-9)

|                 |            |
|-----------------|------------|
| LC50 - Fish [1] | > 100 mg/l |
|-----------------|------------|

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## Citric acid (77-92-9)

EC50 - Other aquatic organisms [1] 85 mg/l waterflea

## Sodium xylenesulphonate (1300-72-7)

EC50 - Other aquatic organisms [1] &gt; 1020 mg/l waterflea

## Propan-2-ol (67-63-0)

LC50 - Fish [1] 10000 mg/l Test organisms (species): Pimephales promelas

LC50 - Fish [2] 9640 mg/l Test organisms (species): Pimephales promelas

## 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

## Citric acid (77-92-9)

Partition coefficient n-octanol/water (Log Pow) -1.72

## Sodium xylenesulphonate (1300-72-7)

Partition coefficient n-octanol/water (Log Pow) -3.12

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 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                 | : Dispose of in accordance with relevant local regulations.                                   |
| Waste treatment methods                   | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| European List of Waste (LoW, EC 2000/532) | : 20 01 29* - detergents containing dangerous substances                                      |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

## 14.1. UN number or ID number

|               |           |
|---------------|-----------|
| UN-No. (ADR)  | : UN 1760 |
| UN-No. (IMDG) | : UN 1760 |
| UN-No. (IATA) | : UN 1760 |

## 14.2. UN proper shipping name

|                             |                            |
|-----------------------------|----------------------------|
| Proper Shipping Name (ADR)  | : CORROSIVE LIQUID, N.O.S. |
| Proper Shipping Name (IMDG) | : CORROSIVE LIQUID, N.O.S. |
| Proper Shipping Name (IATA) | : Corrosive liquid, n.o.s. |

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|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| Transport document description (ADR)  | : UN 1760 CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, III, (E) |
| Transport document description (IMDG) | : UN 1760 CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, III      |
| Transport document description (IATA) | : UN 1760 Corrosive liquid, n.o.s. (QUATERNARY AMMONIUM COMPOUNDS), 8, III      |

## 14.3. Transport hazard class(es)

## ADR

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 8 |
| Danger labels (ADR)              | : 8 |



## IMDG

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 8 |
| Danger labels (IMDG)              | : 8 |



## IATA

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 8 |
| Danger labels (IATA)              | : 8 |



## 14.4. Packing group

|                      |       |
|----------------------|-------|
| Packing group (ADR)  | : III |
| Packing group (IMDG) | : III |
| Packing group (IATA) | : III |

## 14.5. Environmental hazards

|                               |                                                                                                                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dangerous for the environment | : Yes (Environmentally hazardous substances derogation applies (quantity of liquids $\leq$ 5 litres or net mass of solids $\leq$ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.) |
| Marine pollutant              | : Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids $\leq$ 5 litres or net mass of solids $\leq$ 5 kg))                                                                                                                                                    |
| Other information             | : No supplementary information available                                                                                                                                                                                                                             |

## 14.6. Special precautions for user

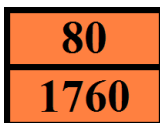
## Overland transport

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Classification code (ADR)                                 | : C9                      |
| Special provisions (ADR)                                  | : 274                     |
| Limited quantities (ADR)                                  | : 5I                      |
| Excepted quantities (ADR)                                 | : E1                      |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR)                            | : MP19                    |
| Portable tank and bulk container instructions (ADR)       | : T7                      |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP28               |
| Tank code (ADR)                                           | : L4BN                    |
| Vehicle for tank carriage                                 | : AT                      |
| Transport category (ADR)                                  | : 3                       |
| Special provisions for carriage - Packages (ADR)          | : V12                     |

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Hazard identification number (Kemler No.) : 80  
Orange plates :



Tunnel restriction code (ADR) : E  
EAC code : 2X  
APP code : B

**Transport by sea**

Special provisions (IMDG) : 223, 274  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP1, TP28  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B  
Stowage category (IMDG) : A

**Air transport**

PCA Excepted quantities (IATA) : E1  
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  
ERG code (IATA) : 8L

**14.7. Maritime transport in bulk according to IMO instruments**

IBC code : Not applicable.

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

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

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

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

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

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

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

CESIO recommendations : 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.

Other information, restriction and prohibition regulations : Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and all its amendments and modifications. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 and all its amendments and modifications. Detergent Regulation (648/2004).

**Allergenic fragrances > 0.01 %:**

LINALOOL

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

| Component                                 | %     |
|-------------------------------------------|-------|
| anionic surfactants, cationic surfactants | 5-15% |
| perfumes                                  |       |
| LINALOOL                                  |       |

## 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. Detergent Regulation (648/2004).

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

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                      |
| Aquatic Acute 1     | Hazardous to the aquatic environment – Acute Hazard, Category 1        |
| Aquatic Chronic 1   | Hazardous to the aquatic environment – Chronic Hazard, Category 1      |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                          |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 2        | Flammable liquids, Category 2                                          |
| H225                | Highly flammable liquid and vapour.                                    |
| H302                | Harmful if swallowed.                                                  |
| H314                | Causes severe skin burns and eye damage.                               |
| H318                | Causes serious eye damage.                                             |
| H319                | Causes serious eye irritation.                                         |
| H336                | May cause drowsiness or dizziness.                                     |
| H400                | Very toxic to aquatic life.                                            |
| H410                | Very toxic to aquatic life with long lasting effects.                  |
| H411                | Toxic to aquatic life with long lasting effects.                       |
| Skin Corr. 1        | Skin corrosion/irritation, Category 1                                  |
| STOT SE 3           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

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

|                   |      |                    |
|-------------------|------|--------------------|
| Skin Corr. 1      | H314 | Calculation method |
| Eye Dam. 1        | H318 | Expert judgement   |
| Aquatic Acute 1   | H400 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

Safety Data Sheet (SDS), EU

Safety Data Sheet

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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.