

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Date of issue:

12. 02. 2021

Version: 1.0

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

#### 1.1. Product identifier

**Product Name**

**CLEAMEN 147**

**UFI code**

UFI: 3190-Y002-F004-8VC8

**Product code**

None

**Mixture description**

Water solution.

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

**Identified uses**

A product designed for machine and manual washing of waterproof floor coverings with a pleasant perfume. For professional use only.

**Uses advised against**

Not recommended for use on untreated wood.

It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

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

**CORMEN s.r.o.**

Průmyslová 1420

593 01 Bystřice nad Pernštejnem

Czech Republic

telephone: +420 566 550 961

Fax: +420 566 551 822

e-mail address for a competent person responsible for the SDS: [info@cormen.cz](mailto:info@cormen.cz)

#### 1.4. Emergency telephone number

112 (General emergency phone).

### SECTION 2: Hazards identification

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

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

**Classification according to 1272/2008/EC**

**Met. Corr. 1; H290**

**Eye Dam. 1; H318**

**Aquatic Chronic 3; H412**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Full text of classifications and H-phrases: see section 16.

### ***The most important adverse physical, human health and environmental effects***

May be corrosive to metals. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

## **2.2. Label elements**

### ***Hazard pictograms***



### ***Signal word***

Danger.

### ***Substances of the mixture to be placed on the label***

Contains Alcohols, C10-12, ethoxylated propoxylated, N,N-Dimethyldecylamine N-oxide, Sodium etasulfate, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

### ***Hazard statements***

|      |  |
|------|--|
| H290 | May be corrosive to metals.                        |
| H318 | Causes serious eye damage.                         |
| H412 | Harmful to aquatic life with long lasting effects. |

### ***Precautionary statements***

|                |   |
|----------------|---|
| P234           | Keep only in original packaging.  |
| P273           | Avoid release to the environment.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.  |
| 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 POISON CENTER/doctor.  |
| P501           | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### ***Supplemental hazard information***

EUH208 - Contains Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Composition according to regulation 648/2004/EC on detergents:  $\geq 5$  -  $< 15$  % non-ionic surfactants,  $< 5$  % anionic surfactants and perfumes.

## **2.3. Other hazards**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation., Mixture do not contain the substance(s) 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.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### 3.2.1. Substances of a mixture classified as hazardous

| Identification of substance  |   | Content wt. %   | Classification according to 1272/2008/EC  |
|--|---|-----------------|---|
| Alcohols, C10-12, ethoxylated propoxylated   |   |                 |   |
| CAS Number   | 68154-97-2                                      | ≤ 5             | Acute Tox. 4; H302<br>Eye Dam. 1; H318  |
| EC Number  | 935-033-8                                       |                 |   |
| Index Number   | not given                                       |                 |   |
| Registration Number  | is not subject to registration, it is a polymer |                 |   |
| Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate   |   |                 |   |
| CAS Number   | 51981-21-6                                      | < 2.5           | Met. Corr. 1; H290  |
| EC Number  | 257-573-7                                       |                 |   |
| Index Number   | not given                                       |                 |   |
| Registration Number  | 01-2119493601-38-XXXX                           |                 |   |
| Met. Corr. 1; H290 only applies to aqueous solutions.  |   |                 |   |
| N,N-Dimethyldecylamine N-oxide   |   |                 |   |
| CAS Number   | 2605-79-0                                       | < 2.5           | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411<br>M=1 |
| EC Number  | 220-020-5                                       |                 |   |
| Index Number   | not given                                       |                 |   |
| Registration Number  | 01-2119959297-22-XXXX                           |                 |   |
| Sodium etasulfate  |   |                 |   |
| CAS Number   | 126-92-1  | < 1.5           | Skin Irrit. 2; H315<br>Eye Dam. 1; H318   |
| EC Number  | 204-812-8                                       |                 |   |
| Index Number   | not given                                       |                 |   |
| Registration Number  | 01-2119971586-23-XXXX                           |                 |   |
| The substance has a bulk density ≥ 400 g/l.  |   |                 |   |
| The substance has specific concentration limits:   |   |                 |   |
| Eye Dam. 1; H318   |   | C ≥ 20 %        |   |
| Eye Irrit. 2; H319   |   | 10 % ≤ C < 20 % |   |
| Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one |   |                 |   |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|                     |                       |            |                         |
|---------------------|-----------------------|------------|-------------------------|
| CAS Number          | not given             |            | Skin Irrit. 2; H315     |
| EC Number           | 915-730-3             |            | Skin Sens. 1B; H317     |
| Index Number        | not given             | $\leq 0.2$ | Aquatic Chronic 1; H410 |
| Registration Number | 01-2119489989-04-XXXX |            | M(Chronic) = 1          |

### Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

|                     |                   |               |                         |
|---------------------|-------------------|---------------|-------------------------|
|                     |                   |               | Acute Tox. 3; H301      |
|                     |                   |               | Acute Tox. 2; H310      |
|                     |                   |               | Skin Corr. 1C; H314     |
|                     |                   |               | Eye Dam. 1; H318        |
| CAS Number          | 55965-84-9        |               | Skin Sens. 1A; H317     |
| EC Number           | not given         |               | Acute Tox. 2; H330      |
| Index Number        | 613-167-00-5      | $\leq 0.0012$ | Aquatic Acute 1; H400   |
| Registration Number | not yet available |               | Aquatic Chronic 1; H410 |
|                     |                   |               | EUH071                  |
|                     |                   |               | M=100                   |
|                     |                   |               | M(Chronic)=100          |

The substance has specific concentration limits:

|                     |                           |
|---------------------|---------------------------|
| Skin Corr. 1C; H314 | $C \geq 0.6 \%$           |
| Eye Dam. 1; H318    | $C \geq 0.6 \%$           |
| Skin Irrit. 2; H315 | $0.06 \% \leq C < 0.6 \%$ |
| Eye Irrit. 2; H319  | $0.06 \% \leq C < 0.6 \%$ |
| Skin Sens. 1A; H317 | $C \geq 0.0015 \%$        |

Full text of classifications and H-phrases: see section 16.

## SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

### 4.1. Description of first aid measures

#### Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

#### Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

#### Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. If pain or redness persists, seek medical advice.

#### Ingestion

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Are not known.

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

Treat symptomatically and supportively.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### ***Suitable extinguishing media***

##### Small fire:

Carbon dioxide CO<sub>2</sub>, dry extinguishing agent, sand or earth, alcohol-resistant foam.

##### Extensive fire:

Framgented water streams (water mist), alcohol-resistant foam.

#### ***Unsuitable extinguishing media***

Solid streams of water may be ineffective.

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

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides, nitrogen oxides, ammonia, sulphur oxides, hydrogen sulphide and products of incomplete combustion.

### **5.3. Advice for firefighters**

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

## **SECTION 6: Accidental release measures**

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

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

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

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

### **6.4. Reference to other sections**

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

## **SECTION 7: Handling and storage**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapor and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

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

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature. Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

### 7.3. Specific end use(s)

Non-foaming, with excellent washing properties, for floors such as vinyl, PVC, granite, terrazzo, marble, sandstone, tiles, marmoleum, terracotta, etc. It can also be successfully used for washing vertical tiling surfaces with mops.

It can be used in all areas of cleaning such as shopping centers, office buildings, education, healthcare, social care institutions and industry.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure limit value

Not determined.

#### 8.1.2. Biological limit values

Not determined in EU.

#### 8.1.3. DNEL and PNEC values

**Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate**

CAS: 51981-21-6

#### DNEL

| Area of use        | Route of exposure | Effect          | Exposure time | Value                 |
|--------------------|-------------------|-----------------|---------------|-----------------------|
| Workers            | Inhalation        | Systemic effect | Long term     | 7.3 mg/m <sup>3</sup> |
| Workers            | Dermal            | Systemic effect | Long term     | 15 000 mg/kg/day      |
| General population | Inhalation        | Systemic effect | Long term     | 1.8 mg/m <sup>3</sup> |
| General population | Dermal            | Systemic effect | Long term     | 7 500 mg/kg/day       |
| General population | Oral              | Systemic effect | Long term     | 1.5 mg/kg/day         |

#### PNEC

| Fresh water | Marine water | Intermittent releases |              | Sewage Treatment Plant (STP) |
|-------------|--------------|-----------------------|--------------|------------------------------|
|             |              | Fresh water           | Marine water |                              |
| 9.45 mg/l   | 0.945 mg/l   | 0.953 mg/l            | 0.095 mg/l   | 41.2 mg/l                    |

#### PNEC

| Sediment (freshwater) | Sediment (marine water) | Air       | Soil      | Hazard for predators |
|-----------------------|-------------------------|-----------|-----------|----------------------|
| not given             | not given               | no effect | 0.5 mg/kg | 67 mg/kg food        |

**N,N-Dimethyldecylamin N-oxid**

CAS: 2605-79-0



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|   |                         |                       |               |                              |
|---|-------------------------|-----------------------|---------------|------------------------------|
| <b>DNEL</b>   |                         |                       |               |                              |
| Area of use   | Route of exposure       | Effect                | Exposure time | Value                        |
| Workers   | Inhalation              | Systemic effect       | Long term     | 6.2 mg/m <sup>3</sup>        |
| Workers   | Dermal                  | Systemic effect       | Long term     | 11 mg/kg/day                 |
| General population  | Inhalation              | Systemic effect       | Long term     | 1.53 mg/m <sup>3</sup>       |
| General population  | Dermal                  | Systemic effect       | Long term     | 5.5 mg/kg/day                |
| General population  | Oral                    | Systemic effect       | Long term     | 0.44 mg/kg/day               |
| <b>PNEC</b>   |                         |                       |               |                              |
| Fresh water   | Marine water            | Intermittent releases |               | Sewage Treatment Plant (STP) |
|   |                         | Fresh water           | Marine water  |                              |
| 0.034 mg/l  | 0.003 mg/l              | 0.034 mg/l            | 0.003 mg/l    | 4.59 mg/l                    |
| <b>PNEC</b>   |                         |                       |               |                              |
| Sediment (freshwater)   | Sediment (marine water) | Air                   | Soil          | Hazard for predators         |
| 5.24 mg/kg  | 0.524 mg/kg             | no effect             | 1.02 mg/kg    | 11.1 mg/kg food              |
| <b>Sodium etasulfate</b>  |                         |                       |               | CAS: 126-92-1                |
| <b>DNEL</b>   |                         |                       |               |                              |
| Area of use   | Route of exposure       | Effect                | Exposure time | Value                        |
| Workers   | Inhalation              | Systemic effect       | Long term     | 285 mg/m <sup>3</sup>        |
| Workers   | Dermal                  | Systemic effect       | Long term     | 4 060 mg/kg/day              |
| General population  | Inhalation              | Systemic effect       | Long term     | 85 mg/m <sup>3</sup>         |
| General population  | Dermal                  | Systemic effect       | Long term     | 2 440 mg/kg/day              |
| General population  | Oral                    | Systemic effect       | Long term     | 24 mg/kg/day                 |
| <b>PNEC</b>   |                         |                       |               |                              |
| Fresh water   | Marine water            | Intermittent releases |               | Sewage Treatment Plant (STP) |
|   |                         | Fresh water           | Marine water  |                              |
| 0.136 mg/l  | 0.014 mg/l              | 4.83 mg/l             | not given     | 1.35 mg/l                    |
| <b>PNEC</b>   |                         |                       |               |                              |
| Sediment (freshwater)   | Sediment (marine water) | Air                   | Soil          | Hazard for predators         |
| 1.5 mg/l  | 0.15 mg/kg              | no effect             | 0.22 mg/kg    | no effect                    |
| <b>Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</b> |                         |                       |               |                              |
| EC: 915-730-3   |                         |                       |               |                              |
| <b>DNEL</b>   |                         |                       |               |                              |
| Area of use   | Route of exposure       | Effect                | Exposure time | Value                        |
| Workers   | Inhalation              | Systemic effect       | Long term     | 30 mg/m <sup>3</sup>         |
| Workers   | Dermal                  | Systemic effect       | Long term     | 28.7 mg/kg/day               |
| Workers   | Dermal                  | Local effect          | Long term     | 648 µg/cm <sup>2</sup>       |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|                    |            |                 |           |                        |
|--------------------|------------|-----------------|-----------|------------------------|
| General population | Inhalation | Systemic effect | Long term | 9 mg/m <sup>3</sup>    |
| General population | Dermal     | Systemic effect | Long term | 17.2 mg/kg/day         |
| General population | Dermal     | Local effect    | Long term | 380 µg/cm <sup>2</sup> |
| General population | Oral       | Systemic effect | Long term | 3 mg/kg/day            |

### PNEC

| Fresh water | Marine water | Intermittent releases |              | Sewage Treatment Plant (STP) |
|-------------|--------------|-----------------------|--------------|------------------------------|
|             |              | Fresh water           | Marine water |                              |
| 4.4 µg/l    | 0.44 µg/l    | not given             | not given    | 10 mg/l                      |

### PNEC

|                       |                         |            |           |                      |
|-----------------------|-------------------------|------------|-----------|----------------------|
| Sediment (freshwater) | Sediment (marine water) | Air        | Soil      | Hazard for predators |
| 3.73 mg/kg            | 0.75 mg/kg              | not effect | 2.7 mg/kg | 26.7 mg/kg food      |

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Use only in well-ventilated areas.

Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.

### 8.2.2. Individual protection measures, such as personal protective equipment

Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.

#### Eye/face protection

Wear safety glasses or face shield.

#### Skin protection - hand protection

Wear protective gloves.

The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.

#### Skin protection - other

Suitable protective working clothing and footwear.

#### Respiratory protection

Not necessary in case of compliance concentration limits (if they were exceeded, use a respirator against organic vapour). In the event of an accident or a fire use self-contained breathing apparatus.

#### Thermal hazards

In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.

### 8.2.3. Environmental exposure controls

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

## SECTION 9: Physical and chemical properties



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

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

|   |   |
|---|---|
| <b>Mixture</b>  |   |
| <i>Physical state</i>   | Liquid.   |
| <i>Colour</i>   | Colourless.   |
| <i>Odour</i>  | Characteristic.   |
| <i>Melting point/freezing point</i>                                       | Not determined.   |
| <i>Boiling point or initial boiling point and boiling range</i>           | Not determined.   |
| <i>Flammability</i>   | Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.  |
| <i>Lower explosion limit</i>  | Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.  |
| <i>Upper explosion limit</i>  | Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.  |
| <i>Flash point</i>  | Not determined.   |
| <i>Auto-ignition temperature</i>  | Not determined.   |
| <i>Decomposition temperature</i>  | Not determined, the mixture does not contain self-reactive substances or organic peroxides.   |
| <i>pH</i>   | 9.8 (concentrate).<br>7.5 (1% solution).  |
| <i>Kinematic viscosity</i>  | Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %. |
| <i>Solubility</i>   | Miscible.   |
| <i>Partition coefficient n-octanol/water (log value)</i>                  | Does not apply to mixture.  |
| <i>Vapour pressure</i>  | Not determined.   |
| <i>Density and/or relative density</i>                                    | 1.0546 g/cm <sup>3</sup> (23 °C).   |
| <i>Relative vapour density</i>  | Not determined.   |
| <i>Particle characteristics</i>   | Does not apply to liquid.   |
| <b>Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate</b> CAS: 51981-21-6 |   |
| <i>Physical state</i>   | Solid.  |
| <i>Colour</i>   | White to off-white.   |
| <i>Odour</i>  | Odourless.  |
| <i>Melting point/freezing point</i>                                       | > 280 °C (decomposition, OECD 102).   |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|   |   |
|---|---|
| <b>Boiling point or initial boiling point and boiling range</b> | Not determined, substance decomposes.   |
| <b>Flammability</b>   | Non-flammable solid.<br>The substance is not classified as flammable (UN-N1 test), pyrophoric (UN-N2 and N4 test) or emit flammable gases under standard conditions (UN-N5 test). |
| <b>Lower explosion limit</b>                                    | Does not apply to solid.  |
| <b>Upper explosion limit</b>                                    | Does not apply to solid.  |
| <b>Flash point</b>  | Does not apply to solid.  |
| <b>Auto-ignition temperature</b>                                | 460 °C (IEC 1241-2-1).  |
| <b>Decomposition temperature</b>                                | 280 °C (OECD 102).  |
| <b>pH</b>   | Not determined.   |
| <b>Kinematic viscosity</b>                                      | Does not apply to solid.  |
| <b>Solubility</b>   | 65 wt. % (21 °C, pH = 7, OECD 105).   |
| <b>Partition coefficient n-octanol/water (log value)</b>        | log Pow < 0 (27 °C, pH = 7, OECD 117).  |
| <b>Vapour pressure</b>  | 0.8 mbar (20 °C)  |
| <b>Density and/or relative density</b>                          | D <sub>4</sub> <sup>20</sup> = 1.466 (OECD 109).  |
| <b>Relative vapour density</b>                                  | Does not apply to solid.  |
| <b>Particle characteristics</b>                                 | D10 = 6.9 µm (NEN-ISO 13320).<br>D50 = 51.5 µm (NEN-ISO 13320).<br>D90 = 164 µm (NEN-ISO 13320).<br>Size < 100 µm, distribution 70.4 % (NEN-ISO 13320).                           |
| <b>N,N-Dimethyldecylamin N-oxid</b> CAS: 2605-79-0              |   |
| <b>Physical state</b>   | Solid.  |
| <b>Colour</b>   | White.  |
| <b>Odour</b>  | Not determined.   |
| <b>Melting point/freezing point</b>                             | 133 -136 °C (literature).   |
| <b>Boiling point or initial boiling point and boiling range</b> | Not determined.   |
| <b>Flammability</b>   | The substance is not classified as flammable (EU method A.10).  |
| <b>Lower explosion limit</b>                                    | Does not apply to solid.  |
| <b>Upper explosion limit</b>                                    | Does not apply to solid.  |
| <b>Flash point</b>  | Does not apply to solid.  |
| <b>Auto-ignition temperature</b>                                | Does not apply to solid.  |
| <b>Decomposition temperature</b>                                | Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.   |
| <b>pH</b>   | Not determined.   |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|  |  |
|--|--|
| <b>Kinematic viscosity</b>   | Does not apply to solid.   |
| <b>Solubility</b>  | 409.5 g/l.   |
| <b>Partition coefficient n-octanol/water (log value)</b>   | log Pow = 0.95 (calculation)   |
| <b>Vapour pressure</b>   | 0 Pa (25 °C, calculation)  |
| <b>Density and/or relative density</b>   | $D_4^{23} = 0.716$ (EU method A.3).  |
| <b>Relative vapour density</b>   | Does not apply to solid.   |
| <b>Particle characteristics</b>  | Not determined.  |
| <b>Sodium etasulfate</b> <span style="float: right;">CAS: 126-92-1</span>  |  |
| <b>Physical state</b>  | Solid.   |
| <b>Colour</b>  | Not determined.  |
| <b>Odour</b>   | Not determined.  |
| <b>Melting point/freezing point</b>  | > 181 °C (decomposition, OECD 102).  |
| <b>Boiling point or initial boiling point and boiling range</b>  | Not determined, substance decomposes.  |
| <b>Flammability</b>  | The substance with bulk density $\geq 400$ g/l is not classified as flammable.                   |
| <b>Lower explosion limit</b>   | Does not apply to solid.   |
| <b>Upper explosion limit</b>   | Does not apply to solid.   |
| <b>Flash point</b>   | Does not apply to solid.   |
| <b>Auto-ignition temperature</b>   | Not determined, the heating temperature of the substance is higher than 400 °C (EU method A.16). |
| <b>Decomposition temperature</b>   | 181 °C (OECD 102).   |
| <b>pH</b>  | Not determined.  |
| <b>Kinematic viscosity</b>   | Does not apply to solid.   |
| <b>Solubility</b>  | > 500 g/l (20 °C, pH = 7.3, OECD 105).   |
| <b>Partition coefficient n-octanol/water (log value)</b>   | log Pow = -0.248 (25 °C, pH = 8.97 – 8.98, OECD 123).  |
| <b>Vapour pressure</b>   | $\leq 1.2$ Pa (20 °C, OECD 104)  |
| <b>Density and/or relative density</b>   | $D_4^{20} = 1.268$ (OECD 109).   |
| <b>Relative vapour density</b>   | Does not apply to solid.   |
| <b>Particle characteristics</b>  | Not determined.  |
| <b>Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</b> <span style="float: right;">EC: 915-730-3</span> |  |
| <b>Physical state</b>  | Liquid.  |
| <b>Colour</b>  | Clear.   |
| <b>Odour</b>   | Fragrance like.  |
| <b>Melting point/freezing point</b>  | < -20 °C (OECD 102).   |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|   |   |
|---|---|
| <b>Boiling point or initial boiling point and boiling range</b> | 290.4 °C (OECD 103).  |
| <b>Flammability</b>   | The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.   |
| <b>Lower explosion limit</b>                                    | Not determined.   |
| <b>Upper explosion limit</b>                                    | Not determined.   |
| <b>Flash point</b>  | 134 °C (EU method A.9).   |
| <b>Auto-ignition temperature</b>                                | 260 °C (EU method A.15).  |
| <b>Decomposition temperature</b>                                | Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose. |
| <b>pH</b>   | Not determined.   |
| <b>Kinematic viscosity</b>                                      | Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.   |
| <b>Solubility</b>   | 2.68 mg/l (20 °C, pH = 6.59 - 6.69, OECD 105).  |
| <b>Partition coefficient n-octanol/water (log value)</b>        | log Pow = 5.6 (30 °C, OECD 117).  |
| <b>Vapour pressure</b>  | 0.233 Pa (23 °C, OECD 104).   |
| <b>Density and/or relative density</b>                          | $D_4^{20} = 0.964$ (OECD 109).  |
| <b>Relative vapour density</b>                                  | Not determined.   |
| <b>Particle characteristics</b>                                 | Does not apply to liquid.   |

### 9.2. Other information

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

##### Mixture

##### Explosives

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Flammable gases

It is not gas.

##### Aerosols

It is not aerosol.

##### Oxidising gases

It is not gas.

##### Gases under pressure

It is not gas.

##### Flammable liquids

Data for the mixture are not available.

The mixture does not contain substances classified as flammable liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

### **Flammable solids**

It is not solid.

### **Self-reactive substances and mixtures**

Data for the mixture are not available.

The mixture does not contain substances classified as self-reactive substances or explosives or organic peroxides or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Pyrophoric liquids**

Data for the mixture are not available.

The mixture does not contain substances classified as pyrophoric liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Pyrophoric solids**

It is not solid.

### **Self-heating substances and mixtures**

Data for the mixture are not available.

The mixture does not contain substances classified as self-heating or pyrophoric substances or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the mixture are not available.

The mixture does not contain substances classified as substances, which emit flammable gases in contact with water or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Oxidising liquids**

Data for the mixture are not available.

The mixture does not contain substances classified as oxidising liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Oxidizing solids**

It is not solid.

### **Organic peroxides**

Data for the mixture are not available.

The mixture does not contain substances classified as organic peroxides or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Corrosive to metals**

Data for the mixture are not available.

The mixture is classified as corrosive to metal category 1, due to the content of the substance so classified.

### **Desensitised explosives**

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or desensitised explosives, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

**Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate**

CAS: 51981-21-6

### **Explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|  |
|--|
| <b>Flammable gases</b>   |
| It is not gas.   |
| <b>Aerosols</b>  |
| It is not aerosol.   |
| <b>Oxidising gases</b>   |
| It is not gas.   |
| <b>Gases under pressure</b>  |
| It is not gas.   |
| <b>Flammable liquids</b>   |
| It is not liquid.  |
| <b>Flammable solids</b>  |
| The substance is not classified as flammable solid (UN-N1 test).   |
| <b>Self-reactive substances and mixtures</b>   |
| Data for the substance are not available.<br>The substance does not contain chemical groups associated with explosive or self-reactive properties.   |
| <b>Pyrophoric liquids</b>  |
| It is not liquid.  |
| <b>Pyrophoric solids</b>   |
| The substance is not classified as pyrophoric solid (UN-N2 and N4 test).   |
| <b>Self-heating substances and mixtures</b>  |
| Data for the substance are not available.<br>The substance is not classified as self-heating.  |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b>   |
| The substance is not classified as substances, which emit flammable gases in contact with water (UN-N5 test).<br>The substance is soluble in water and forms a stable mixture with it.           |
| <b>Oxidising liquids</b>   |
| It is not liquid.  |
| <b>Oxidizing solids</b>  |
| Data for the substance are not available.<br>It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen. |
| <b>Organic peroxides</b>   |
| Data for the substance are not available.<br>The substance does not contain a bivalent group -O-O- with at least one organic radical.  |
| <b>Corrosive to metals</b>   |
| Data for the substance are not available.<br>Aqueous solutions are classified as corrosive to metal category 1.  |
| <b>Desensitised explosives</b>   |



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

**N,N-Dimethyldecylamin N-oxid**

CAS: 2605-79-0

### **Explosives**

Data for the substance are not available.

The substance contains chemical groups associated with explosive properties, but the calculated oxygen balance is less than -200.

Calculated oxygen balance = - 290.

### **Flammable gases**

It is not gas.

### **Aerosols**

It is not aerosol.

### **Oxidising gases**

It is not gas.

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

It is not liquid.

### **Flammable solids**

The substance is not classified as flammable solid (EU method A.10).

### **Self-reactive substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-reactive.

### **Pyrophoric liquids**

It is not liquid.

### **Pyrophoric solids**

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### **Self-heating substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is soluble in water and forms a stable mixture with it.

### **Oxidising liquids**

It is not liquid.

### **Oxidizing solids**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Data for the substance are not available.

It is an organic substance does not contain chemical groups associated with oxidising properties.

### **Organic peroxides**

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### **Desensitised explosives**

Data for the substance are not available.

The substance is not classified as explosive or desensitised explosive.

### **Sodium etasulfate**

CAS: 126-92-1

### **Explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Flammable gases**

It is not gas.

### **Aerosols**

It is not aerosol.

### **Oxidising gases**

It is not gas.

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

It is not liquid.

### **Flammable solids**

It is not solid.

The substance with bulk density  $\geq 400$  g/l is not classified as flammable solid. The substance with bulk density  $< 400$  g/l is classified as flammable solid category 1 (EU method A.10).

### **Self-reactive substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-reactive.

### **Pyrophoric liquids**

It is not liquid.

### **Pyrophoric solids**

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### **Self-heating substances and mixtures**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Data for the substance are not available.

The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is soluble in water and forms a stable mixture with it.

### **Oxidising liquids**

It is not liquid.

### **Oxidizing solids**

Data for the substance are not available.

It is an organic substance does not contain chemical groups associated with oxidising properties.

### **Organic peroxides**

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### **Desensitised explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3 and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

### **Explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **Flammable gases**

It is not gas.

### **Aerosols**

It is not aerosol.

### **Oxidising gases**

It is not gas.

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

### **Flammable solids**

It is not solid.

### **Self-reactive substances and mixtures**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Pyrophoric solids***

It is not solid.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

### ***Oxidising liquids***

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### ***Oxidizing solids***

It is not solid.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **9.2.2. Other safety characteristics**

#### ***Mechanical sensitivity***

Not determined, it is not an explosive substance.

#### ***Self-accelerating polymerisation temperature***

Not determined, it is not a polymerising substance.

#### ***Formation of explosible dust/air mixtures***

Not determined, it is not a dust.

#### ***Acid/alkaline reserve***

Not determined, pH is in the range 4 - 10.

#### ***Evaporation rate***

Not determined.

#### ***Miscibility***

Not determined.

#### ***Conductivity***

Not determined.

#### ***Corrosiveness***

Not determined.

#### ***Gas group***

Not determined, it is not gas.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|                                    |                 |
|------------------------------------|-----------------|
| <b>Redox potential</b>             | Not determined. |
| <b>Radical formation potential</b> | Not determined. |
| <b>Photocatalytic properties</b>   | Not determined. |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

#### 10.4. Conditions to avoid

Protect from frost.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Burning releases carbon oxides, nitrogen oxides, ammonia, sulphur oxides, hydrogen sulphide and products of incomplete combustion.

### SECTION 11: Toxicological information

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

##### Mixture

##### Acute toxicity

###### Oral

Data for the mixture are not available.  
The mixture is not classified by the additive formula.  
 $ATE_{\text{mixture}} > 9\,732 \text{ mg/kg}$ .

###### Dermal

Data for the mixture are not available.  
 $ATE_{\text{mixture}} > 5\,000 \text{ mg/kg}$  (estimate, low concentration of substance classified as toxic dermal route of exposure).

###### Inhalation

Data for the mixture are not available.  
 $ATE_{\text{mixture}} > 20 \text{ mg/l}$  (estimate, low concentration of substance classified as toxic inhalation route of exposure).

##### Skin corrosion/irritation

Data for the mixture are not available.  
The mixture is not classified as skin irritant based on the general/specific concentration limits of substance(s).

##### Serious eye damage/irritation

Data for the mixture are not available.  
The mixture is classified as causes serious eye damage based on the general/specific concentration limits of substance(s).

##### Respiratory or skin sensitisation

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Data for the mixture are not available.

The mixture is not classified as a skin sensitizing according to the general/specific concentration limits of substance(s).

EUH208 - Contains Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

### ***Germ cell mutagenicity***

Data for the mixture are not available.

The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Carcinogenicity***

Data for the mixture are not available.

The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Reproductive toxicity***

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for reproduction or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***STOT – single exposure***

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a single exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***STOT – repeated exposure***

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Aspiration hazard***

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Other information***

See section 2 and 4.

**Alcohols, C10-12, ethoxylated propoxylated**

CAS: 68154-97-2

### ***Acute toxicity***

**Oral** The substance is classified in category 4.  
LD<sub>50</sub> = 950 mg/kg (rat, OECD 401).

**Dermal** Data for the substance are not available.

**Inhalation** Data for the substance are not available.

### ***Skin corrosion/irritation***

Data for the substance are not available.

### ***Serious eye damage/irritation***



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

The substance classified as seriously damaging to the eyes (OECD 405).

### **Respiratory or skin sensitisation**

Data for the substance are not available.

### **Germ cell mutagenicity**

Data for the substance are not available.

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate**

CAS: 51981-21-6

### **Acute toxicity**

#### **Oral**

Based on available data, the classification criteria are not met.

LD<sub>50</sub> > 2 000 mg/kg (rat, EU method B.1).

#### **Dermal**

Based on available data, the classification criteria are not met.

LD<sub>50</sub> > 2 000 mg/kg (rabbit, OECD 402).

#### **Inhalation**

Based on available data, the classification criteria are not met.

LC<sub>50</sub> > 4.2 mg/l (aerosol, rat, 4 hrs, no death is observed).

### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

Overall irritation score = 0 (rabbit, 72 hrs., OECD 404).

### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

Mean score of corneal opacity = 0, iritis = 0, conjunctival redness = 0.11 (fully reversible after 2 days), conjunctival oedema = 0 (rabbit, 72 hrs., OECD 405).

### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, OECD 406).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Negative (OECD 471, OECD 473, OECD 476).

### **Carcinogenicity**

Data for the substance are not available.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

NOAEL = 5 000 ppm (increased kidney weight and minimal to slight histopathological renal changes, rat, oral, generation P0, OECD 416).

NOAEL ≥ 15 000 ppm (rat, oral, generation F1, OECD 416).

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Based on available data, the classification criteria are not met.

NOAEL = 300 mg/kg/day (haematology; clinical chemistry; urinalysis; organ weights, rat, oral, 90 d., OECD 408).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**N,N-Dimethyldecylamin N-oxid**

CAS: 2605-79-0

### **Acute toxicity**

#### **Oral**

The substance is classified in category 4.

LD<sub>50</sub> > 300 - < 2 000 mg/kg (rat, female).

ATE = 500 mg/kg (for calculation by additive formula).

#### **Dermal**

Based on available data, the classification criteria are not met.

LD<sub>50</sub> > 2 000 mg/kg (rat).

#### **Inhalation**

Data for the substance are not available.

### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

Mean erythema score = 1 (fully reversible after 7 days) and oedema = 0 (rabbit, 72 hrs., OECD 404).

### **Serious eye damage/irritation**

The substance classified as seriously damaging to the eyes.

Mean irritation score = 16,3 (chicken, Hen's Egg Test - Chorioallantoic Membrane (HET-CAM) Test Method).

### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, OECD 406).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Negative (OECD 471, EU method B.17, OECD 487).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

NOAEL = 40 mg/kg/day (rat, oral, generation P0, OECD 422).

NOAEL = 100 mg/kg/day (rat, oral, generation F1, OECD 422).

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|  |  |
|--|--|
| <b>STOT – single exposure</b>  |  |
| Data for the substance are not available.  |  |
| <b>STOT – repeated exposure</b>  |  |
| Based on available data, the classification criteria are not met.<br>NOAEL = 88 mg/kg/day (rat, oral, 90 days, OECD 408).  |  |
| <b>Aspiration hazard</b>   |  |
| The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm <sup>2</sup> /s or less at 40 °C.  |  |
| <b>Sodium etasulfate</b>   | CAS: 126-92-1  |
| <b>Acute toxicity</b>  |  |
| <b>Oral</b>  | Based on available data, the classification criteria are not met<br>LD <sub>50</sub> = 2 800 mg/kg (rat, OECD 401).  |
| <b>Dermal</b>  | Based on available data, the classification criteria are not met.<br>LD <sub>50</sub> > 2 000 mg/kg (read-across (sodium octylsulfate), rabbit, OECD 402). |
| <b>Inhalation</b>  | Data for the substance are not available.  |
| <b>Skin corrosion/irritation</b>   |  |
| The substance classified as skin irritant.<br>Mean erythema score = 3 (not fully reversible after 14 days) and oedema = 2; 3,3; 3 (not fully reversible after 14 days) (rabbit, 72 hrs., OECD 404).  |  |
| <b>Serious eye damage/irritation</b>   |  |
| The substance classified as seriously damaging to the eyes.<br>Mean score of corneal opacity = 1.33 (not fully reversible after 8 days), iritis = 1.0 (fully reversible after 8 days), conjunctival redness = 1.23 (not fully reversible after 8 days), conjunctival oedema = 0.89 (not fully reversible after 8 days) (rabbit, 72 h, OECD 405). |  |
| <b>Respiratory or skin sensitisation</b>   |  |
| Based on available data, the classification criteria are not met.<br>The substance is not classified as skin sensitising (mouse, OECD 429).  |  |
| <b>Germ cell mutagenicity</b>  |  |
| Based on available data, the classification criteria are not met.<br>Negative (OECD 471, OECD 473, OECD 476).  |  |
| <b>Carcinogenicity</b>   |  |
| Based on available data, the classification criteria are not met.<br>NOAL > 1 125mg/kg/day (rat, oral, OECD 453).  |  |
| <b>Reproductive toxicity</b>   |  |
| Data for the substance are not available.  |  |
| <b>STOT – single exposure</b>  |  |
| Data for the substance are not available.  |  |
| <b>STOT – repeated exposure</b>  |  |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Based on available data, the classification criteria are not met.

NOAEL = 488 mg/kg/day (rat, oral, 90 d., OECD 408).

LOAEL = 1 016 mg/kg/day (rat, oral, 90 d., OECD 408).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3 and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

### **Acute toxicity**

**Oral** Based on available data, the classification criteria are not met  
LD<sub>50</sub> > 5 000 mg/kg (rat).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 5 000 mg/kg (rat).

**Inhalation** Data for the substance are not available.

### **Skin corrosion/irritation**

Classified as irritating to the skin - mean tissue viability is 55 % (OECD 439).

### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.  
No effect on the eye (Q)SAR method.

### **Respiratory or skin sensitisation**

Skin sensitising category 1B (mouse, OECD 429).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.  
Negative (OECD 471, OECD 473, OECD 476).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Based on available data, the classification criteria are not met.  
NOAEL = 120 mg/kg/day (hematology, clinical biochemistry, ratio of organ weight to body weight, histopathology: neoplastic, oral, rat, 90 d, OECD 408).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

## **11.2. Information on other hazards**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture do not contain the substance(s) 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. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Mixture

Data for the mixture are not available.

#### Acute aquatic toxicity

The mixture is not classified as acute aquatic toxicity based on calculation according to the summation method.

category 1

$\Sigma < 2.62$

#### Chronic aquatic toxicity

The mixture classified as Aquatic Chronic 3; H412 based on calculation according to the summation method.

| Sum of concentration |      | EqNOEC <sub>m</sub> | Classification          | M-factor     |
|----------------------|------|---------------------|-------------------------|--------------|
| < 2.7 wt. %          |      | 0.026 mg/l          | Aquatic Chronic 2; H411 | not relevant |
| category             | 1    | 2                   | 3                       | 4            |
| Σ                    | 0.12 | < 3.9               | < 39                    | not relevant |

#### Alcohols, C10-12, ethoxylated propoxylated

CAS: 68154-97-2

The substance is not classified as hazardous for the aquatic environment.

#### Fish

Data for the substance are not available.

#### Crustaceans

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 12 mg/l (OECD 202).

#### Algae

Data for the substance are not available.

#### Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

The substance is not classified as hazardous for the aquatic environment.

#### Fish

LC<sub>50</sub>, 96 hrs., Oncorhynchus mykiss: > 95.26 mg/l (mortality, OECD 203).

NOEC, 9 d., Brachydanio rerio: 94.55 mg/l (number hatched, OECD 212).

#### Crustaceans

EC<sub>50</sub>, 48 hrs., Daphnia Magna: > 95.26 mg/l (mobility, OECD 202).

NOEC, 21 d., Daphnia Magna: ≥ 248.4 mg/l (reproduction, OECD 211).

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|   |                |
|---|----------------|
| <b>Algae</b>  |                |
| EC <sub>50</sub> , 72 hrs., Desmodesmus subspicatus: ≥ 94.99 mg/l (OECD 201).   |                |
| <b>N,N-Dimethyldecylamin N-oxid</b>   | CAS: 2605-79-0 |
| The substance is classified as Aquatic Acute 1; H400 (M = 1) and Aquatic Chronic 2; H411.   |                |
| <b>Fish</b>   |                |
| LC <sub>50</sub> , 96 hrs., Danio rerio: 31.8 mg/l (mortality).   |                |
| NOEC, 15 d., Pimephales promelas: 0.495 mg/l (survival and mean length).  |                |
| <b>Crustaceans</b>  |                |
| EC <sub>50</sub> , 48 hrs., Daphnia Magna: 2.9 mg/l (mobility).   |                |
| NOEC, 21 d., Daphnia Magna: 0.7 mg/l.   |                |
| <b>Algae</b>  |                |
| EC <sub>50</sub> , 72 hrs, Pseudokirchneriella subcapitata: 0.205 mg/l (biomass).   |                |
| EC <sub>50</sub> , 72 hrs, Pseudokirchneriella subcapitata: 0.266 mg/l (growth rate).   |                |
| NOEC, 72 hrs, Pseudokirchneriella subcapitata: 0.078 mg/l (growth rate).  |                |
| <b>Sodium etasulfate</b>  | CAS: 126-92-1  |
| The substance is not classified as hazardous for the aquatic environment.   |                |
| <b>Fish</b>   |                |
| LC <sub>50</sub> , 96 hrs., Danio rerio: > 100 mg/l (read-across (sodium octylsulfate), mortality, OECD 203).   |                |
| NOEC, 42 d., Pimephales promelas: ≥ 1 357 mg/l (mortality).   |                |
| <b>Crustaceans</b>  |                |
| EC <sub>50</sub> , 48 hrs., Daphnia Magna: 483 mg/l (mobility, EU method C.2).  |                |
| NOEC, 21 d., Daphnia Magna: 1.4 mg/l (reproduction, OECD 211).  |                |
| <b>Algae</b>  |                |
| EC <sub>50</sub> , 72 hrs., Desmodesmus subspicatus: > 511 mg/l (growth rate, EU method C.3).   |                |
| EC <sub>50</sub> , 72 hrs., Desmodesmus subspicatus: 511 mg/l (biomass, EU method C.3).   |                |
| EC <sub>10</sub> , 72 hrs., Desmodesmus subspicatus: 199 mg/l (growth rate, EU method C.3).   |                |
| EC <sub>10</sub> , 72 hrs., Desmodesmus subspicatus: 133 mg/l (biomass, EU method C.3).   |                |
| NOEC, 72 hrs, Desmodesmus subspicatus: 103 mg/l (biomass, EU method C.3).   |                |
| <b>Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</b> | EC: 915-730-3  |
| The substance is classified as Aquatic Chronic 1; H410 (M=1).   |                |
| <b>Fish</b>   |                |
| LC <sub>50</sub> , 96 hrs., Lepomis macrochirus: 1.3 mg/l (mortality).  |                |
| NOEC, 30 d., Danio rerio: 0.16 mg/l (length and weight).  |                |
| NOEC, 30 d., Danio rerio: 0.3 mg/l (survival after hatching).   |                |
| NOEC, 30 d., Danio rerio: 0.54 mg/l (egg survival, hatching time).  |                |
| <b>Crustaceans</b>  |                |



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 1.38 mg/l (mobility).  
NOEC, 21 d., Daphnia Magna: 0.028 mg/l (reproduction).  
NOEC, 21 d., Daphnia Magna: 0.096 mg/l (length).  
NOEC, 21 d., Daphnia Magna: 0.448 mg/l (mortality).

### Algae

EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: > 2.6 mg/l (growth rate).  
EC<sub>50</sub>, 72 hrs., Desmodesmus subspicatus: > 2.6 mg/l (biomass).  
NOEC, 72 hrs., Desmodesmus subspicatus: ≥ 2.6 mg/l (growth rate).

## 12.2. Persistence and degradability

### Mixture

Data for the mixture are not available.  
The surfactants contained in this preparation in accordance with the biodegradability criteria according to Regulation (EC) No. 648/2004 on detergents.

### Alcohols, C10-12, ethoxylated propoxylated

CAS: 68154-97-2

Readily biodegradable: 93 % after 28 days (removal of dissolved organic carbon, OECD 302).

### Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

Readily biodegradable: 76 % after 28 days (O<sub>2</sub> consumption, OECD 301 D).

### N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

Readily biodegradable: 97 % after 28 days (removal of dissolved organic carbon, OECD 301 E).

### Sodium etasulfate

CAS: 126-92-1

Readily biodegradable: 89.3 % after 28 days (CO<sub>2</sub> evolution, OECD 301 B).

**Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one** EC: 915-730-3

Not readily biodegradable: 0% after 28 days (O<sub>2</sub> consumption, OECD 301 C).

## 12.3. Bioaccumulative potential

### Mixture

Data for the mixture are not available.

### Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

log Pow < 0 (27 °C, pH = 7, OECD 117).

### N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

log Pow = 0.95 (calculation).

### Sodium etasulfate

CAS: 126-92-1

log Pow = -0.248 (25 °C, pH = 8.97 – 8.98, OECD 123).

**Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one** EC: 915-730-3

BCF = 600 (Lepomis macrochirus, OECD 305).

log Pow = 5.6 (30 °C, OECD 117).

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

### 12.4. Mobility in soil

#### Mixture

Data for the mixture are not available.

#### Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

log K<sub>oc</sub> < 1.45 (OECD 121).

#### N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

K<sub>oc</sub> = 307 - > 2 113 (by kind of soil, 23.6 °C).

#### Sodium etasulfate

CAS: 126-92-1

log K<sub>oc</sub> > 1.88 - < 2 (25 °C).

**Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one** EC: 915-730-3

log K<sub>oc</sub> = 4.12.

### 12.5. Results of PBT and vPvB assessment

Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.

### 12.6. Endocrine disrupting properties

The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture do not contain the substance(s) 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.

### 12.7. Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal methods of the substance or mixture and the contaminated packaging

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). **Do not empty unused product into drainage systems.** Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### Possible waste code

16 03 05\* organic wastes containing hazardous substances, 15 01 10\* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 02 - plastic packaging (clear packaging).

#### Physical/chemical properties that may affect waste treatment options

Metal corrosion.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

### **Special precautions recommended for waste management**

Not known.

### **Waste legislation**

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

## SECTION 14: Transport information

### **14.1. UN number or ID number**

UN 3267

### **14.2. UN proper shipping name**

CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate).

### **14.3. Transport hazard class(es)**

8

### **14.4. Packing group**

III

### **14.5. Environmental hazards**

It is not dangerous for the environment during transport.

### **14.6. Special precautions for user**

Not given.

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

Not available.

### **14.8. Other information**

#### **Labeling according to ADR**



#### **Additional data for ADR/RID**

|                            |   |
|----------------------------|---|
| Classification code        | C7  |
| Labels                     | 8   |
| Hazard identification code | 80  |
| Tunnel restriction code    | E (ADR), - (RID)  |
| Limited quantities         | 5l  |
| Excepted quantities        | Maximum net quantity per inner packaging: 30 ml.<br>Maximum net quantity per outer packaging: 1 000 ml. |
| Transport category         | 3   |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

### **Additional data for IMDG**

Emergency Schedules (EmS) F-A, S-B.

## **SECTION 15: Regulatory information**

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

Regulation No. 648/2004/EC on detergents, as amended

### **15.2. Chemical safety assessment**

Has not been carried out for mixture.

## **SECTION 16: Other information**

### **Reason for the revision of the safety data sheet**

Firs edition.

### **Key or legend to abbreviations and acronyms**

|                   |  |
|-------------------|--|
| Acute Tox. 2      | Acute toxicity, cat. 2   |
| Acute Tox. 3      | Acute toxicity, cat. 3   |
| Acute Tox. 4      | Acute toxicity, cat. 4   |
| Aquatic Acute 1   | Acute aquatic hazard, cat. 1   |
| Aquatic Chronic 1 | Chronic aquatic hazard, cat. 1   |
| Aquatic Chronic 2 | Chronic aquatic hazard, cat. 2   |
| Aquatic Chronic 3 | Chronic aquatic hazard, cat. 3   |
| Eye Dam. 1        | Serious eye damage, cat. 1   |
| Eye Irrit. 2      | Eye irritation, cat. 2   |
| Met. Corr. 1      | Substance or mixture corrosive to metals, cat. 1   |
| Skin Corr. 1C     | Skin corrosion, cat. 1C  |
| Skin Irrit. 2     | Skin irritation, cat. 2  |
| Skin Sens. 1A     | Skin sensitization, cat. 1A  |
| Skin Sens. 1B     | Skin sensitization, cat. 1B  |
| M                 | Multiplying factor   |
| ADR               | Accord Dangereuses Route   |
| CLP               | Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures |
| DNEL              | Derived No Effect Level  |
| ICAO/IATA         | International Air Transport Association  |
| IMDG              | International Maritime Dangerous Goods   |
| PBT               | Persistent, bioaccumulative, toxic substance   |

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 147

|       |  |
|-------|--|
| PNEC  | Predicted No Effect Concentration  |
| REACH | Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID   | Regulation concerning the International Carriage of Dangerous Goods by Rail                                      |
| STOT  | Specific target organ toxicity   |
| vPvB  | Very persistent and very bioaccumulative substance   |

### **Sources of key data used to compile the Safety Data Sheet**

European legislation, manufacturer's safety data sheet, registration dossier of substances.

### **List of H- and P- phrases**

|                |   |
|----------------|---|
| EUH071         | Corrosive to the respiratory tract.   |
| H290           | May be corrosive to metals.   |
| H301           | Toxic if swallowed.   |
| H302           | Harmful if swallowed.   |
| H310           | Fatal in contact with skin.   |
| H314           | Causes severe skin burns and eye damage.  |
| H315           | Causes skin irritation.   |
| H317           | May cause an allergic skin reaction.  |
| H318           | Causes serious eye damage.  |
| H319           | Causes serious eye irritation.  |
| H330           | Fatal if inhaled.   |
| 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.  |
| H412           | Harmful to aquatic life with long lasting effects.  |
| P234           | Keep only in original packaging.  |
| P273           | Avoid release to the environment.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.  |
| 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 POISON CENTER/doctor.  |
| P501           | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### **Training advice**

According to SDS.

### **Other information**

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

# **SAFETY DATA SHEET**

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## **CLEAMEN 147**

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.