

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

|                 |   |                     |
|-----------------|---|---------------------|
| Product form    | : | Mixture             |
| Trade name      | : | SELACTIVE           |
| UFI             | : | C233-40NG-C00M-WMRM |
| Product code    | : | E014                |
| Type of product | : | Detergent           |

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

|                                  |   |                           |
|----------------------------------|---|---------------------------|
| Main use category                | : | Professional use          |
| Industrial/Professional use spec | : | For professional use only |
| Use of the substance/mixture     | : | Sanitary cleaner          |

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

## SELDEN RESEARCH LIMITED

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**1.4. Emergency telephone number**

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

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Serious eye damage/eye irritation, Category 2 H319  
Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3  
Full text of H- and EUH-statements: see section 16

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

Causes serious eye irritation.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |  |
|--------------------------------|--|
|                                | GHS07  |
| Signal word (CLP)              | : Warning  |
| Hazard statements (CLP)        | : H319 - Causes serious eye irritation.<br>H412 - Harmful to aquatic life with long lasting effects.   |
| Precautionary statements (CLP) | : P280 - Wear eye protection.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |

### 2.3. Other hazards

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

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|--|---------|--|
| Cocamidopropyl betaine  | CAS-No.: 147170-44-3<br>REACH-no: 01-2119489410-39                     | 1 – 5   | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412  |
| N,N-dimethyltetradecylamine N-oxide                                   | CAS-No.: 3332-27-2<br>EC-No.: 222-059-3<br>REACH-no: 01-2119949262-37  | 1 - 3   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318  |
| Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides      | CAS-No.: 68424-95-3<br>EC-No.: 270-331-5<br>REACH-no: 01-2120769330-57 | 0.1 – 1 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1) |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | CAS-No.: 68424-85-1<br>EC-No.: 270-325-2<br>REACH-no: 01-2119965180-41 | 0.1 – 1 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1)                                |

### Specific concentration limits:

| Name                   | Product identifier                                 | Specific concentration limits (%)  |
|------------------------|--|--|
| Cocamidopropyl betaine | CAS-No.: 147170-44-3<br>REACH-no: 01-2119489410-39 | (4 $\leq$ C $<$ 10) Eye Irrit. 2; H319<br>(10 $\leq$ C $<$ 100) Eye Dam. 1; H318 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                |

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|                                      |  |
|--------------------------------------|--|
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion   | : Get immediate medical advice/attention.  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : Repeated or prolonged skin contact may cause irritation.               |
| Symptoms/effects after eye contact  | : Eye irritation.  |
| Symptoms/effects after ingestion    | : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

### 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 | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

|                      |  |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. |
|----------------------|--|

#### For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |   |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                  |

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

|                    |  |
|--------------------|--|
| Storage conditions | : Store in a well-ventilated place. Keep cool. |
|--------------------|--|

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls

#### Appropriate engineering controls:

Not required for normal conditions of use.

#### Personal protection equipment

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



#### Eye and face protection

##### Eye protection:

Safety glasses. Wear eye protection. ISO 16321-1

##### Skin protection

##### Skin and body protection:

Not required for normal conditions of use

##### Hand protection:

Not required for normal conditions of use

##### Other skin protection

##### Materials for protective clothing:

Not required for normal conditions of use

##### Respiratory protection

##### Respiratory protection:

Not required for normal conditions of use

##### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                       |                  |
|-----------------------|------------------|
| Physical state        | : Liquid         |
| Colour                | : Green.         |
| Appearance            | : Liquid.        |
| Odour                 | : Fruity.        |
| Odour threshold       | : Not available  |
| Melting point         | : Not applicable |
| Freezing point        | : Not available  |
| Boiling point         | : $\geq 100$ °C  |
| Flammability          | : Not applicable |
| Lower explosion limit | : Not available  |
| Upper explosion limit | : Not available  |
| Flash point           | : Not available  |

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|   |                     |
|---|---------------------|
| Auto-ignition temperature                       | : Not available     |
| Decomposition temperature                       | : Not available     |
| pH  | : 3.7               |
| 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                                | : 1.01              |
| Relative vapour density at 20°C                 | : Not available     |
| Particle characteristics                        | : Not applicable    |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions of use.

### 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

None under normal use.

### 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 |

### Cocamidopropyl betaine (147170-44-3)

|                 |              |
|-----------------|--------------|
| LD50 oral rat   | > 5000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

### Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

|             |                       |
|-------------|-----------------------|
| LD50 oral   | 426 mg/kg bodyweight  |
| LD50 dermal | 2300 mg/kg bodyweight |

### Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)

|               |  |
|---------------|--|
| LD50 oral rat | 238 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 0,198 - 0,287 |
|---------------|--|

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## Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)

|                    |   |
|--------------------|---|
| LD50 dermal rabbit | 3861 mg/kg bodyweight Animal: rabbit, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 0 - 4292 |
|--------------------|---|

Skin corrosion/irritation : Not classified  
pH: 3.7

## Cocamidopropyl betaine (147170-44-3)

|    |     |
|----|-----|
| pH | ≈ 5 |
|----|-----|

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 3.7

## Cocamidopropyl betaine (147170-44-3)

|                                   |                  |
|-----------------------------------|------------------|
| pH                                | ≈ 5              |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |
| STOT-repeated exposure            | : Not classified |
| Aspiration hazard                 | : Not classified |

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

## 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects.  |

## Cocamidopropyl betaine (147170-44-3)

|                            |                    |
|----------------------------|--------------------|
| LC50 - Fish [1]            | > 1 (1 – 10) mg/kg |
| EC50 - Crustacea [1]       | > 1 (1 – 10) mg/l  |
| ErC50 other aquatic plants | > 1 (1 – 10) mg/l  |
| NOEC chronic fish          | ≤ 1 mg/l           |
| NOEC chronic crustacea     | ≤ 1 mg/l           |

## N,N-dimethyltetradecylamine N-oxide (3332-27-2)

|                                    |                     |
|------------------------------------|---------------------|
| LC50 - Fish [1]                    | 2.4 mg/l            |
| EC50 - Other aquatic organisms [1] | 2.64 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 0.19 mg/l           |

## Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 0.066 mg/l Test organisms (species): Daphnia magna |
|----------------------|--|

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### 12.2. Persistence and degradability

|   |                    |
|---|--------------------|
| Persistence and degradability   | Rapidly degradable |
| <b>Cocamidopropyl betaine (147170-44-3)</b>   |                    |
| Persistence and degradability   | Rapidly degradable |
| <b>N,N-dimethyltetradecylamine N-oxide (3332-27-2)</b>                                    |                    |
| Persistence and degradability   | Rapidly degradable |
| <b>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)</b> |                    |
| Persistence and degradability   | Rapidly degradable |
| <b>Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)</b>      |                    |
| Persistence and degradability   | Rapidly degradable |

### 12.3. Bioaccumulative potential

|  |     |
|--|-----|
| <b>N,N-dimethyltetradecylamine N-oxide (3332-27-2)</b> |     |
| Partition coefficient n-octanol/water (Log Pow)        | 2.7 |

### 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. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |
| 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

| ADR                                  | IMDG           | IATA           |
|--------------------------------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>  |                |                |
| Not regulated for transport          |                |                |
| <b>14.2. UN proper shipping name</b> |                |                |
| Not applicable                       | Not applicable | Not applicable |

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| ADR                                     | IMDG  | IATA                              |
|---|---|-----------------------------------|
| <b>14.3. Transport hazard class(es)</b> |   |                                   |
| Not applicable                          | Not applicable  | Not applicable                    |
| <b>14.4. Packing group</b>              |   |                                   |
| Not applicable                          | Not applicable  | Not applicable                    |
| <b>14.5. Environmental hazards</b>      |   |                                   |
| Dangerous for the environment: No       | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available  |   |                                   |

**14.6. Special precautions for user****Overland transport**

No data available

**Transport by sea**

No data available

**Air transport**

No data available

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

Not applicable

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

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.
- : 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 (EC 648/2004).

**REACH Annex XVII (Restriction List)**

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

**REACH Annex XIV (Authorisation List)**

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

**REACH Candidate List (SVHC)**

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

**PIC Regulation (Prior Informed Consent)**

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

**POP Regulation (Persistent Organic Pollutants)**

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

**Ozone Regulation (2024/590)**

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

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

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

### Detergent Regulation (EC 648/2004)

| Labelling of contents                         |     |
|---|-----|
| Component                                     | %   |
| amphoteric surfactants, non-ionic surfactants | <5% |
| disinfectants                                 |     |
| perfumes                                      |     |
| D-LIMONENE                                    |     |

### Fragrance allergens > 0.01%:

D-LIMONENE

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

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

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

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

### 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 (EC 648/2004).

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                                 |
| 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 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B            |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| H301                                | Toxic if swallowed.   |
| H302                                | Harmful if swallowed.   |
| H311                                | Toxic in contact with skin.                                       |
| H314                                | Causes severe skin burns and eye damage.                          |
| H315                                | Causes skin irritation.   |
| H318                                | Causes serious eye damage.  |

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

|      |   |
|------|---|
| H319 | Causes serious eye irritation.                        |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects.    |

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

|                   |      |                    |
|-------------------|------|--------------------|
| Eye Irrit. 2      | H319 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.