

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : SELGUARD  
UFI : 04Y2-U0W7-800U-FWXN  
Product code : C007  
Type of product : Detergent

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

#### 1.2.1. Relevant identified uses

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

#### 1.2.2. Uses advised against

No additional information available

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

#### SELDEN RESEARCH LIMITED

STADEN LANE  
BUXTON  
DERBYSHIRE  
SK17 9RZ  
UNITED KINGDOM

Tel: 01298 26226 Fax: 01298 26540  
Email: safety@selden.co.uk

#### SELDEN EUROPE B.V.

WATERMOLEN 13  
6229 PM  
MAASTRICHT  
NEDERLAND

Tel: 00 32 16 53 07 96  
Email: info@selden.eu

### 1.4. Emergency telephone number

Mon to Fri 8.30am to 5.00pm - 01298 26226

Tel: 00 32 16 53 07 96

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

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

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) :

- P264 - Wash hands thoroughly after handling.
- P273 - Avoid release to the environment.
- P280 - Wear eye protection, protective gloves.
- P302+P352 - IF ON SKIN: Wash with plenty of soap, water.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P362+P364 - Take off contaminated clothing and wash it before reuse.
- P391 - Collect spillage.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|---------|---|
| Cocamidopropyl betaine  | (CAS-No.) 147170-44-3<br>(REACH-no) 01-2119489410-39  | 1 – 5   | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412   |
| 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                               | 1 – 5   | 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) |
| N,N-dimethyltetradecylamine N-oxide                                   | (CAS-No.) 3332-27-2<br>(EC-No.) 222-059-3<br>(REACH-no) 01-2119949262-37                                | 1 – 5   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318   |
| didecyldimethylammonium chloride                                      | (CAS-No.) 7173-51-5<br>(EC-No.) 230-525-2<br>(EC Index-No.) 612-131-00-6<br>(REACH-no) 01-2119945987-15 | 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 2, H411       |

### Specific concentration limits:

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

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : IF IN EYES: 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 : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause respiratory irritation.                                      |
| Symptoms/effects after skin contact | : Irritation.  |
| Symptoms/effects after eye contact  | : Causes serious eye damage.   |
| 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 : Carbon dioxide. Dry powder. Foam.

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

No additional information available

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

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

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

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

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

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

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No additional information available

##### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses. EN 166

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Not required for normal conditions of use

###### Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Nitrile rubber gloves

###### Other skin protection

###### Materials for protective clothing:

Not required for normal conditions of use

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Not required for normal conditions of use

##### 8.2.2.4. Thermal hazards

No additional information available

##### 8.2.3. Environmental exposure controls

No additional information available

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### SECTION 9: Physical and chemical properties

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

|   |                     |
|---|---------------------|
| Physical state                                  | : Liquid            |
| Appearance                                      | : Mobile liquid.    |
| Colour  | : light green.      |
| Odour   | : Floral.           |
| Odour threshold                                 | : No data available |
| pH  | : 7                 |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : $\geq 100$ °C     |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : No data available |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : No data available |
| Relative density                                | : 1.03              |
| Solubility                                      | : soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

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 toxicological effects

|                         |                  |
|-------------------------|------------------|
| Acute toxicity (oral)   | : Not classified |
| Acute toxicity (dermal) | : Not classified |

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|                                   |   |
|-----------------------------------|---|
| Acute toxicity (inhalation)       | : Not classified                          |
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: 7        |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: 7 |
| 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                          |

## SECTION 12: Ecological information

### 12.1. Toxicity

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

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

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

|   |     |
|---|-----|
| 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

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### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1 UN number

UN-No. (ADR) : UN 3082  
 UN-No. (IMDG) : UN 3082  
 UN-No. (IATA) : UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.  
 Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, DIDECYL DIMETHYLAMMONIUM CHLORIDE), 9, III, (E)  
 Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, DIDECYL DIMETHYLAMMONIUM CHLORIDE), 9, III  
 Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s.  
 (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, DIDECYL DIMETHYLAMMONIUM CHLORIDE), 9, III

### 14.3. Transport hazard class(es)

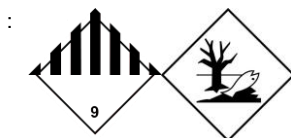
#### ADR

Transport hazard class(es) (ADR) : 9  
 Danger labels (ADR) : 9



#### IMDG

Transport hazard class(es) (IMDG) : 9  
 Danger labels (IMDG) : 9

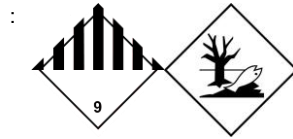


#### IATA

Transport hazard class(es) (IATA) : 9  
 Danger labels (IATA) : 9

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## 14.4. Packing group

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

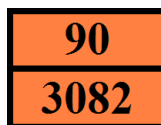
## 14.5. Environmental hazards

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

## 14.6. Special precautions for user

**Overland transport**

|   |                           |
|---|---------------------------|
| Classification code (ADR)   | : M6                      |
| Special provisions (ADR)  | : 274, 335, 601           |
| Limited quantities (ADR)  | : 5I                      |
| Excepted quantities (ADR)   | : E1                      |
| Packing instructions (ADR)  | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)  | : PP1                     |
| Mixed packing provisions (ADR)  | : MP19                    |
| Portable tank and bulk container instructions (ADR)                     | : T4                      |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29               |
| Tank code (ADR)   | : LGBV                    |
| Vehicle for tank carriage   | : AT                      |
| Transport category (ADR)  | : 3                       |
| Special provisions for carriage - Packages (ADR)                        | : V12                     |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                    |
| Hazard identification number (Kemler No.)                               | : 90                      |
| Orange plates   | :                         |



|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : E   |
| EAC code                      | : •3Z |

**Transport by sea**

|                                   |                 |
|-----------------------------------|-----------------|
| Special provisions (IMDG)         | : 274, 335, 969 |
| Limited quantities (IMDG)         | : 5 L           |
| Excepted quantities (IMDG)        | : E1            |
| Packing instructions (IMDG)       | : P001, LP01    |
| Special packing provisions (IMDG) | : PP1           |
| IBC packing instructions (IMDG)   | : IBC03         |
| Tank instructions (IMDG)          | : T4            |
| Tank special provisions (IMDG)    | : TP2, TP29     |
| EmS-No. (Fire)                    | : F-A           |
| EmS-No. (Spillage)                | : S-F           |
| Stowage category (IMDG)           | : A             |

**Air transport**

|  |         |
|--|---------|
| PCA Excepted quantities (IATA)               | : E1    |
| PCA Limited quantities (IATA)                | : Y964  |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA)              | : 964   |



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|                                 |                   |
|---------------------------------|-------------------|
| PCA max net quantity (IATA)     | : 450L            |
| CAO packing instructions (IATA) | : 964             |
| CAO max net quantity (IATA)     | : 450L            |
| Special provisions (IATA)       | : A97, A158, A197 |
| ERG code (IATA)                 | : 9L              |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

IBC code : Not applicable.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Substances subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals: Didecyldimethylammonium chloride (7173-51-5)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

| Detergent Regulation (648/2004/EC): Labelling of contents:          |     |
|---|-----|
| Component   | %   |
| amphoteric surfactants, cationic surfactants, non-ionic surfactants | <5% |
| disinfectants   |     |
| perfumes  |     |

#### 15.1.2. National regulations

##### United Kingdom

British National Regulations : Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).  
Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.  
Detergent Regulation (648/2004/EC).

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| 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                             |
| H302                                | Harmful if swallowed.   |

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|      |   |
|------|---|
| H314 | Causes severe skin burns and eye damage.              |
| H315 | Causes skin irritation.                               |
| H318 | Causes serious eye damage.                            |
| H319 | Causes serious eye irritation.                        |
| 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.    |

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

|                   |      |                       |
|-------------------|------|-----------------------|
| Skin Irrit. 2     | H315 | Calculation method    |
| Eye Irrit. 2      | H319 | On basis of test data |
| Aquatic Acute 1   | H400 | 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.