



## SAFETY DATA SHEET

### Swarfega Disinfectant & Cleaner

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

**Product name** Swarfega Disinfectant & Cleaner

**Product number** SDC2LBSFX,SDC5LB

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

**Identified uses** PT2 Biocidal Product . For full details regarding recommended uses please refer to the product label.

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

**Supplier** Deb Ltd  
Denby Hall Way  
Denby  
Derbyshire  
DE5 8JZ  
Main Tel. 01773 855100  
Technical Tel 01773 855105  
reach@deb.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)  
National Poisons Information Centre (Eire) 01-8092566/8379964

#### SECTION 2: Hazards identification

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

###### Classification

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** Xi;R36.

**Environmental** The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

##### 2.2. Label elements

###### Pictogram



**Signal word** Danger

## Swarfega Disinfectant & Cleaner

<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations.
<b>Contains</b>	ISOTRIDECANOL ETHOXYLATED(>5-20 EO), ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE
<b>Detergent labelling</b>	< 5% disinfectants,< 5% non-ionic surfactants,Contains LIMONENE
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>ISOTRIDECANOL ETHOXYLATED(&gt;5-20 EO)</b>	<b>1-5%</b>
CAS number: 69011-36-5	EC number: 931-138-8
REACH registration number: 01-2119976362-32-XXXX	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xn;R22. Xi;R41.
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
<b>ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE</b>	<b>1-5%</b>
CAS number: 63449-41-2	EC number: 939-350-2
REACH registration number: 01-2119970550-39-XXXX	
M factor (Acute) = 1	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Met. Corr. 1 - H290	Xn;R21/22. C;R34. N;R50.
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	

## Swarfega Disinfectant & Cleaner

<b>ETHANEDIOL</b>	<b>&lt;1%</b>
CAS number: 107-21-1	EC number: 203-473-3
<b>Classification</b> Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22
<b>SODIUM HYDROXIDE</b>	<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R35

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Not relevant. Unlikely route of exposure as the product does not contain volatile substances.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

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

<b>Notes for the doctor</b>	No specific recommendations.
-----------------------------	------------------------------

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

**Hazardous combustion products** No known hazardous decomposition products.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

### SECTION 6: Accidental release measures

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

## Swarfega Disinfectant & Cleaner

**Personal precautions**      Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes.

### 6.2. Environmental precautions

**Environmental precautions**      Not considered to be a significant hazard due to the small quantities used.

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

**Methods for cleaning up**      Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.

### 6.4. Reference to other sections

**Reference to other sections**      For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions**      Avoid contact with eyes.

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

**Storage precautions**      Store in closed original container at temperatures between 0°C and 30°C.

### 7.3. Specific end use(s)

**Specific end use(s)**      The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **ETHANEDIOL**

Long-term exposure limit (8-hour TWA): WEL 20 ppm 10 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m<sup>3</sup>

Sk

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

**Ingredient comments**      None.

### ISOTRIDECANOL ETHOXYLATED(>5-20 EO) (CAS: 69011-36-5)

#### **DNEL**

Workers - Inhalation; Long term systemic effects: 294 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 2080 mg/kg/day

General population - Inhalation; Long term systemic effects: 87 mg/m<sup>3</sup>

General population - Dermal; Long term systemic effects: 1250 mg/kg/day

General population - Oral; Long term systemic effects: 25 mg/kg/day

#### **PNEC**

- Fresh water; 0.074 mg/l

- Marine water; 0.00074 mg/l

- Intermittent release; 0.015 mg/l

- STP; 1.4 mg/l

- Sediment (Freshwater); 0.604 mg/kg/day

- Marine water; 0.0604 mg/l

- Soil; 0.1 mg/kg/day

## Swarfega Disinfectant & Cleaner

### ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE (CAS: 63449-41-2)

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 3.96 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 1.64 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 3.4 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 3.4 mg/kg/day</p>
<b>PNEC</b>	<p>- Fresh water; 0.0009 mg/l</p> <p>- Marine water; 0.00096 mg/l</p> <p>- Intermittent release; 0.00016 mg/l</p> <p>- STP; 0.4 mg/l</p> <p>- Sediment (Freshwater); 12.27 mg/kg</p> <p>- Sediment (Marinewater); 13.09 mg/kg</p> <p>- Soil; 7 mg/kg</p>

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

<b>DNEL</b>	<p>Consumer - Oral; Long term systemic effects: 28 mg/kg/day</p> <p>Professional - Inhalation; Short term systemic effects: 2.8 mg/m<sup>3</sup></p> <p>Professional - Inhalation; Long term local effects: 2.5 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Short term systemic effects: 1.5 mg/m<sup>3</sup></p> <p>Professional - Inhalation; Long term systemic effects: 2.5 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Long term local effects: 1.5 mg/m<sup>3</sup></p> <p>Professional - Inhalation; Short term systemic effects: 2.5 mg/m<sup>3</sup></p> <p>Professional - Inhalation; Short term local effects: 2.5 mg/m<sup>3</sup></p>
<b>PNEC</b>	<p>- Fresh water; 2.2 mg/l</p> <p>- Soil; 0.72 mg/kg</p> <p>- STP; 43 mg/l</p> <p>- Marine water; 0.22 mg/l</p> <p>- ; Intermittent release 1.2 mg/l</p>

### CITRIC ACID (CAS: 5949-29-1)

<b>PNEC</b>	<p>- Fresh water; 0.44 mg/l</p> <p>- Marine water; 0.044 mg/l</p> <p>- STP; 1000 mg/l</p> <p>- Sediment (Freshwater); 34.66 mg/kg</p> <p>- Sediment (Marinewater); 3.46 mg/kg</p> <p>- Soil; 33.1 mg/kg</p>
-------------	---

### SODIUM HYDROXIDE (CAS: 1310-73-2)

<b>DNEL</b>	<p>Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p>
-------------	---

## 8.2. Exposure controls

### Protective equipment



Appropriate engineering controls

Not relevant.

## Swarfega Disinfectant & Cleaner

<b>Eye/face protection</b>	Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Hygiene measures</b>	Wash hands after contact.
<b>Respiratory protection</b>	Not relevant.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Lemon.
<b>Odour threshold</b>	Not determined. Not determined.
<b>pH</b>	pH (concentrated solution): 8.5-9.5
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Scientifically unjustified. : : Scientifically unjustified.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	0.990-1.010 @ 25 C°C
<b>Auto-ignition temperature</b>	Scientifically unjustified.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Scientifically unjustified.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Other information</b>	None.
--------------------------	-------

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
-------------------	---

#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
------------------	--

#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not known.
---	------------

## Swarfega Disinfectant & Cleaner

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 40,000.0

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 88,000.0

#### Skin corrosion/irritation

**Animal data** Moderately irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vivo** Does not contain any substances known to be mutagenic.

#### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

#### Reproductive toxicity

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

#### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

**Inhalation** No specific health hazards known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Irritating to eyes.

## Swarfega Disinfectant & Cleaner

### Toxicological information on ingredients.

#### ISOTRIDECANOL ETHOXYLATED(>5-20 EO)

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD50 >2000 mg/Kg Rat

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 2,000.0 mg/kg)

Species Rat

##### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) LC0>= 0.3mg/L air Rat

##### Skin corrosion/irritation

Animal data Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Moderate oedema - raised approximately 1 mm (3).

##### Serious eye damage/irritation

Serious eye damage/irritation May cause blurred vision and serious eye damage.

#### ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 795.0 mg/kg)

Species Rat Rat

ATE oral (mg/kg) 795.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 1,560.0 mg/kg)

Species Rat

ATE dermal (mg/kg) 1,560.0

##### Skin corrosion/irritation

Animal data Primary dermal irritation index: 6.29

#### ETHANEDIOL

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 10,626.0 mg/kg)

Species Rabbit

### SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

#### 12.1. Toxicity



## Swarfega Disinfectant & Cleaner

**Toxicity** The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

### Ecological information on ingredients.

#### ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours, < 96 hours: 1 mg/l,

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours, < 48 hours: 1 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 48 hours, < 48 hours: 1 mg/l, Freshwater algae

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: 7.75 mg/l, Activated sludge

**Acute toxicity - terrestrial** NOEC, 14 days: 1000 mg/l, mg/kg, Eisenia Fetida (Earthworm)

#### d-LIMONENE

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

##### Chronic aquatic toxicity

**M factor (Chronic)** 1

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product 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.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

## Swarfega Disinfectant & Cleaner

<b>General information</b>	When handling waste, the safety precautions applying to handling of the product should be considered.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. No specific disposal method required. Reuse or recycle products wherever possible.

### SECTION 14: Transport information

<b>Road transport notes</b>	Not classified.
<b>Rail transport notes</b>	Not classified.
<b>Sea transport notes</b>	Not classified.
<b>Air transport notes</b>	Not classified.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not applicable.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

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

##### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
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 (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

## Swarfega Disinfectant & Cleaner

<b>Key literature references and sources for data</b>	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
<b>Revision comments</b>	New SDS Software
<b>Revision date</b>	09/02/2016
<b>Revision</b>	2
<b>Supersedes date</b>	12/05/2015
<b>Risk phrases in full</b>	R10 Flammable. R21/22 Harmful in contact with skin and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. 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.
<b>Notes for Risk Phrases and Hazard Statements in Full</b>	The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.