



## SAFETY DATA SHEET Swarfega Disinfectant & Cleaner

According to 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 No.** 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

National Poisons Information Service (UK) 0844 8920111

### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)** Xi;R36.

##### **Environment**

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

#### 2.2. Label elements

##### **Detergent Labelling**

< 5% non-ionic surfactants  
disinfectants  
perfumes  
Contains LIMONENE

##### **Labelling**



Irritant

##### **Risk Phrases**

R36 Irritating to eyes.

##### **Safety Phrases**

S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
P14 Contains d-LIMONENE. May produce an allergic reaction.

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

## Swarfega Disinfectant &amp; Cleaner

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2. Mixtures

ISOTRIDECANOL ETHOXYLATED(>5-20 EO)		1-5%
CAS-No.: 69011-36-5	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.	
ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE		1-5%
CAS-No.: 68424-85-1	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R21/22. C;R34. N;R50.	
d-LIMONENE		0.1-1%
CAS-No.: 5989-27-5	EC No.: 227-813-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) R10 R43 Xi;R38 N;R50/53	
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE		< 0.1%
CAS-No.: 64-02-8	EC No.: 200-573-9	Registration Number: 01-2119486762-27
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22 Xi;R41	
ETHANEDIOL		< 0.1%
CAS-No.: 107-21-1	EC No.: 203-473-3	
Classification (EC 1272/2008) Acute Tox. 4 - H302	Classification (67/548/EEC) Xn;R22	

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

## Inhalation

Not relevant Unlikely route of exposure as the product does not contain volatile substances.

## Swarfega Disinfectant & Cleaner

### Ingestion

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

### Skin contact

Wash skin with soap and water.

### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. 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

### Inhalation

No specific symptoms noted.

### Ingestion

No specific symptoms noted.

### Skin contact

Prolonged skin contact may cause redness and irritation.

### Eye contact

Irritation of eyes and mucous membranes.

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

No specific first aid measures noted.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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

#### Hazardous combustion products

No hazardous decomposition products.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

No specific fire fighting procedure given.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

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

### 6.2. Environmental precautions

Not relevant considering the small amounts used.

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

Flush away small spillages with plenty of water. Do not let washing down water contaminate ponds or waterways. Large quantities should not be discharged into the drain but removed with absorbing material.

### 6.4. Reference to other sections

For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with eyes.

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

Store in closed original container at temperatures between 0°C and 40°C.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## Swarfega Disinfectant & Cleaner

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANEDIOL	WEL	20 ppm	10 mg/m3	40 ppm	104 mg/m3	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

#### **Ingredient Comments**

None.

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

##### **DNEL**

Professional	Inhalation.	Short Term	Systemic Effects	2.8 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	1.5 mg/m3
Consumer	Oral	Long Term	Systemic Effects	28 mg/kg/day
Professional	Inhalation.	Long Term	Systemic Effects	2.5 mg/m3
Professional	Inhalation.	Long Term	Local Effects	2.5 mg/m3
Professional	Inhalation.	Short Term	Systemic Effects	2.5 mg/m3
Professional	Inhalation.	Short Term	Local Effects	2.5 mg/m3
Consumer	Inhalation.	Long Term	Local Effects	1.5 mg/m3

##### **PNEC**

Freshwater	2.2	mg/l
Marinewater	0.22	mg/l
Intermittent release	1.2	mg/l
STP	43	mg/l
Soil	0.72	mg/kg

### 8.2. Exposure controls

#### **Protective equipment**



#### **Engineering measures**

Not relevant

#### **Respiratory equipment**

Not relevant

#### **Hand protection**

For prolonged or repeated skin contact use suitable protective gloves.

#### **Eye protection**

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.

#### **Hygiene measures**

Wash hands after contact.

## 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>Initial boiling point and boiling range (°C)</b>	
Not determined.	
<b>Melting point (°C)</b>	
Not determined.	
<b>Relative density</b>	0.990-1.010 25 C
<b>Vapour density (air=1)</b>	
Not determined.	
<b>Vapour pressure</b>	
Not determined.	
<b>Evaporation rate</b>	
Not determined.	

## Swarfega Disinfectant & Cleaner

pH-Value, Conc. Solution 8.5-9.5

### Viscosity

Not determined.

### Decomposition temperature (°C)

Not determined.

### Odour Threshold, Lower

Not determined.

### Odour Threshold, Upper

Not determined.

### Flash point (°C)

Not determined.

### Auto Ignition Temperature (°C)

Scientifically unjustified.

### Flammability Limit - Lower(%)

Scientifically unjustified.

### Flammability Limit - Upper(%)

Scientifically unjustified.

### Explosive properties

Scientifically unjustified.

### Oxidising properties

Does not meet the criteria for oxidising.

## 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not known.

### 10.4. 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 incompatible groups noted.

### 10.6. Hazardous decomposition products

There are no anticipated hazardous decomposition products associated with this material.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity:

Based on available data the classification criteria are not met.

#### Skin Corrosion/Irritation:

Moderately Irritating.

#### Serious eye damage/irritation:

Based on available data the classification criteria are not met.

#### Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

## Swarfega Disinfectant & Cleaner

### Germ cell mutagenicity:

Does not contain any substances known to be mutagenic.

### Carcinogenicity:

Does not contain any substances known to be carcinogenic.

### Reproductive Toxicity:

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:

Based on available data the classification criteria are not met.

### **Inhalation**

No specific health warnings noted.

### **Ingestion**

May cause discomfort if swallowed.

### **Skin contact**

Skin irritation is not anticipated when used normally.

### **Eye contact**

Irritating to eyes.

### Toxicological information on ingredients.

#### ETHANEDIOL (CAS: 107-21-1)

#### **Toxic Dose 1 - LD 50**

4700 mg/kg (oral rat)

#### Acute toxicity:

#### **Acute Toxicity (Dermal LD50)**

10626 mg/kg Rabbit

#### d-LIMONENE (CAS: 5989-27-5)

#### ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE (CAS: 68424-85-1)

#### Acute toxicity:

#### **Acute Toxicity (Oral LD50)**

795 mg/kg Rat

#### **Acute Toxicity (Dermal LD50)**

> 400 mg/kg Rabbit

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

#### Acute toxicity:

#### **Acute Toxicity (Oral LD50)**

> 300 mg/kg Rat

#### **Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rat

## SECTION 12: ECOLOGICAL INFORMATION

## Swarfega Disinfectant & Cleaner

### Ecotoxicity

Not regarded as dangerous for the environment.

### 12.1. 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 (CAS: 68424-85-1)

##### Acute Toxicity - Fish

LC50 96 hours < 1 mg/l

##### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours < 1 mg/l Daphnia magna

##### Acute Toxicity - Aquatic Plants

IC50 48 hours < 1 mg/l Freshwater algae

### 12.2. Persistence and degradability

#### Degradability

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.

### 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

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

#### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. No specific disposal method required. Recover and reclaim or recycle, if practical.

## SECTION 14: TRANSPORT INFORMATION

**Road Transport Notes** Not Classified

**Rail Transport Notes** Not classified.

**Sea Transport Notes** Not classified.

**Air Transport Notes** 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

## Swarfega Disinfectant &amp; Cleaner

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

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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 with amendments.

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

##### Revision Comments

New REACH Annex 2 Compliant MSDS

**Revision Date** 30/01/2013

**Revision** 3

**Supersedes date** 27/09/2011

##### Risk Phrases In Full

R34	Causes burns.
R10	Flammable.
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

##### Hazard Statements In Full

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

##### Notes for Risk Phrases and Hazard Statements in Full

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.



## Swarfega Disinfectant & Cleaner

### Disclaimer

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.