



SAFETY DATA SHEET

Deb OxyBac

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	Deb OxyBac
Product number	OXY1L, OXY12LTF, OXY1LSFX, OXY1LDSRS, OXY1LTRRS, OXY2LT, 7754814, OXY1LBG
Synonyms; trade names	Deb OxyBAC Extra

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

Identified uses	PT1 Human Hygiene Biocidal Product
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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
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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
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

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

Hazard statements	NC Not Classified
Precautionary statements	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. P401 Store in accordance with local regulations. P501 Dispose of contents/ container in accordance with local regulations.

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Supplemental label information

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.
BPR001 Use biocides safely. Always read the label and product information before use.

Detergent labelling

< 5% disinfectants, < 5% non-ionic surfactants, Contains PHENOXYETHANOL, Benzoic acid

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

GLYCERIN			1-5%
CAS number: 56-81-5	EC number: 200-289-5	REACH registration number: 01-2119471987-18-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Not Classified	-		
LAURAMINE OXIDE			1-5%
CAS number: 1643-20-5			
M factor (Acute) = 1			
Classification	Classification (67/548/EEC or 1999/45/EC)		
Acute Tox. 4 - H302	Xn;R22. Xi;R38,R41. N;R50.		
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
Aquatic Acute 1 - H400			
Aquatic Chronic 2 - H411			
PHOSPHORIC ACID			1-5%
CAS number: 7664-38-2	EC number: 231-633-2	REACH registration number: 01-2119485924-24-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Met. Corr. 1 - H290	C;R34		
Skin Corr. 1B - H314			
Eye Dam. 1 - H318			

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HYDROGEN PEROXIDE SOLUTION		1-5%
CAS number: 7722-84-1	EC number: 231-765-0	REACH registration number: 01-2119485845-22-XXXX
Classification Ox. Liq. 1 - H271 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1A - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) R5 O;R8 C;R35 Xn;R20/22	

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.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Rinse with water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	None.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	No specific recommendations.
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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.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	No known hazardous decomposition products.
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5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with eyes.
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6.2. Environmental precautions

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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 tightly-closed, original container in a dry and cool place.

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

GLYCERIN

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

PHOSPHORIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

HYDROGEN PEROXIDE SOLUTION

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments None.

BUTYLENE GLYCOL (CAS: 107-88-0)

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

PNEC - Fresh water; 0.85 mg/l
 - Marine water; 0.085 mg/l
 - Intermittent release; 2 mg/l
 - STP; 10 mg/l
 - Sediment (Freshwater); 1.78 mg/kg
 - Sediment (Marinewater); 0.178 mg/kg
 - Soil; 0.13 mg/kg

PHOSPHORIC ACID (CAS: 7664-38-2)

DNEL Workers - Inhalation; Long term local effects: 1 mg/m³
 Workers - Inhalation; Short term local effects: 2 mg/m³
 General population - Inhalation; Long term local effects: 0.73 mg/m³

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HYDROGEN PEROXIDE SOLUTION (CAS: 7722-84-1)

DNEL	Workers - Inhalation; Long term local effects: 1.4 mg/m ³
	Workers - Inhalation; Short term local effects: 3 mg/m ³
	General population - Inhalation; Long term local effects: 0.21 mg/m ³
	General population - Inhalation; Short term local effects: 1.93 mg/m ³
PNEC	- Marine water; 0.0126 mg/l
	- Fresh water; 0.0126 mg/l
	- Sediment (Freshwater); 0.0103 mg/kg
	- Soil; 0.0023 mg/kg
	- Sediment (Marinewater); 0.047 mg/kg
	- Intermittent release; 0.0138 mg/kg
	- STP; 4.66 mg/l

PHENOXYETHANOL (CAS: 122-99-6)

DNEL	Workers - Inhalation; Long term systemic effects: 8.07 mg/m ³
	Workers - Inhalation; Long term local effects: 8.07 mg/m ³
	Workers - Dermal; Long term systemic effects: 34.72 mg/kg/day
	General population - Inhalation; Long term systemic effects: 2.41 mg/kg/day
	General population - Inhalation; Long term local effects: 2.41 mg/m ³
	General population - Dermal; Long term systemic effects: 20.83 mg/kg/day
	General population - Oral; Long term systemic effects: 17.43 mg/kg/day
	General population - Oral; Short term systemic effects: 17.43 mg/kg/day
PNEC	- Fresh water; 0.943 mg/l
	- Marine water; 0.0943 mg/l
	- Intermittent release; 3.44 mg/l
	- STP; 24.8 mg/l
	- Sediment (Freshwater); 7.2366 mg/kg
	- Sediment (Marinewater); 0.7237 mg/kg
	- Soil; 1.26 mg/kg

Salicylic Acid (CAS: 69-72-7)

DNEL	Workers - Inhalation; Long term systemic effects: 5 mg/m ³
	Workers - Inhalation; Long term local effects: 5 mg/m ³
	Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day
	General population - Inhalation; Long term systemic effects: 4 mg/m ³
	General population - Dermal; Long term systemic effects: 1 mg/kg/day
	General population - Oral; Long term systemic effects: 1 mg/kg/day
	General population - Oral; Short term systemic effects: 4 mg/kg/day
PNEC	- Fresh water; 0.2 mg/l
	- Marine water; 0.02 mg/l
	- Intermittent release; 1 mg/l
	- Sediment (Marinewater); 0.142 mg/kg
	- Soil; 0.166 mg/kg
	- STP; 162 mg/l
	- Sediment (Freshwater); 1.42 mg/kg

Benzoic acid (CAS: 65-85-0)

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DNEL	Industry - Dermal; Long term local effects: 4.5 mg/kg/day Industry - Inhalation; Long term local effects: 6.3 mg/m ³ Consumer - Inhalation; Long term systemic effects: 2.1 mg/m ³ Consumer - Dermal; Long term systemic effects: 20.8 mg/kg/day Consumer - Oral; Long term systemic effects: 25 mg/kg/day Industry - Dermal; Long term systemic effects: 34.7 mg/kg/day Industry - Inhalation; Long term systemic effects: 10.4 mg/m ³ Consumer - Inhalation; Long term local effects: 1.3 mg/m ³ Consumer - Dermal; Long term local effects: 2.7 mg/kg/day
PNEC	- Fresh water; 0.34 mg/l - Marine water; 0.34 mg/l - STP; 100 mg/l - Intermittent release; 3.3 mg/l - Sediment (Freshwater); 1.75 mg/kg - Sediment (Marinewater); 1.75 mg/kg - Soil; 0.151 mg/kg

8.2. Exposure controls

Appropriate engineering controls	Not relevant.
Eye/face 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.
Hand protection	Hand protection not required.
Respiratory protection	No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Characteristic.
Odour threshold	Not determined.
pH	pH (concentrated solution): 2.0 -2.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Scientifically unjustified.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Scientifically unjustified.
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Scientifically unjustified.

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Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Scientifically unjustified.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react violently with the product: Strong reducing agents.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with strong reducing agents.
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10.5. Incompatible materials

Materials to avoid	Strong reducing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Respiratory Sensitisation

Eye Irritation/Damage

Skin Sensitisation

Acute toxicity - oral

Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
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ATE oral (mg/kg)	20,327.07
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Acute toxicity - dermal

Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
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Acute toxicity - inhalation

Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.
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ATE inhalation (gases ppm)	428,571.43
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ATE inhalation (vapours mg/l)	1,047.62
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ATE inhalation (dusts/mists mg/l)	142.86
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Skin corrosion/irritation

Human skin model test OECD 439 EPISKIN Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation OECD 438 Not irritating.

Respiratory sensitisation

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

Skin sensitisation

Skin sensitisation Not sensitising.

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 Not anticipated to present an aspiration hazard based on chemical structure.

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 May cause temporary eye irritation.

LAURAMINE OXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,064.0

Species Rat

ATE oral (mg/kg) 1,064.0

PHOSPHORIC ACID

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,600.0

Species Rat

ATE oral (mg/kg) 2,600.0

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Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,740.0 mg/kg)

Species Rabbit

ATE dermal (mg/kg) 2,740.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 25.5

Species Mouse

ATE inhalation (vapours mg/l) 25.5

Skin corrosion/irritation

Animal data Erythema/eschar score: Severe erythema (beef redness) to eschar formation preventing grading of erythema (4). Oedema score: Moderate oedema - raised approximately 1 mm (3). Primary dermal irritation index: 6.6

HYDROGEN PEROXIDE SOLUTION

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 1,193.0 mg/kg)

Species Rat Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0 mg/kg)

Species Rabbit

Acute toxicity - inhalation

ATE inhalation (gases ppm) 4,500.0

ATE inhalation (vapours mg/l) 11.0

ATE inhalation (dusts/mists mg/l) 1.5

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity The product is not expected to be hazardous to the environment.

LAURAMINE OXIDE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

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M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 2.67 mg/l, Algae
Acute toxicity - aquatic invertebrates	EC ₅₀ , 72 hours: 3.1 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 72 hours: 0.19 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC10, 24 hour: 80 mg/l, Activated sludge

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.

Partition coefficient Not applicable.

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

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

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.

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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 MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

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).

REGULATION (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Use biocides safely. Always read the label and product information before use.

Key literature references and sources for data

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.

Revision comments

This is first issue.

Revision date

20/01/2017

Revision

9

Supersedes date

29/02/2016

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Risk phrases in full	Not classified. R20/22 Harmful by inhalation and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R35 Causes severe burns. R37 Irritating to respiratory system. R38 Irritating to skin. R41 Risk of serious damage to eyes. R5 Heating may cause an explosion. R50 Very toxic to aquatic organisms. R8 Contact with combustible material may cause fire.
Hazard statements in full	H271 May cause fire or explosion; strong oxidiser. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.
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.

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.



SAFETY DATA SHEET

Deb Surface Sanitiser Wipes

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 Deb Surface Sanitiser Wipes

Product number SSW1000W

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) 0844 8920111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) -

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Pictogram



Signal word Warning

Deb Surface Sanitiser Wipes

Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves. 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. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P501 Dispose of contents/container in accordance with national regulations.
Supplemental label information	BPR001 Use biocides safely. Always read the label and product information before use.
Detergent labelling	< 5% disinfectants

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

PROPAN-2-OL			5-10%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225		F;R11 Xi;R36 R67	
Eye Irrit. 2 - H319			
STOT SE 3 - H336			
ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE			1-5%
CAS number: 63449-41-2	EC number: 939-350-2	REACH registration number: 01-2119970550-39-XXXX	
M factor (Acute) = 10	M factor (Chronic) = 1		
Classification		Classification (67/548/EEC or 1999/45/EC)	
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			
Aquatic Chronic 1 - H410			

Deb Surface Sanitiser Wipes

DIDECYLDIMETHYLAMMONIUM CHLORIDE			<1%
CAS number: 7173-51-5	EC number: 230-525-2	REACH registration number: 01-2119945987-15-XXXX	
M factor (Acute) = 10			
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R22	

ETHANEDIOL			<1%
CAS number: 107-21-1	EC number: 203-473-3		
Classification Acute Tox. 4 - H302		Classification (67/548/EEC or 1999/45/EC) 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.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash skin thoroughly with soap and water or use an approved skin cleanser.
Eye contact	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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	Irritating to skin.
Eye contact	Irritation of eyes and mucous membranes.

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

Notes for the doctor	No specific recommendations.
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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

Deb Surface Sanitiser Wipes

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions Harmful to aquatic life with long lasting effects. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up 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 Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

7.2. Conditions for safe storage, including any incompatibilities

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

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 20 ppm 10 mg/m³

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

Ingredient comments None.

PROPAN-2-OL (CAS: 67-63-0)

DNEL

Workers - Inhalation; Long term systemic effects: 500 mg/m³

Workers - Dermal; Short term systemic effects: 888 mg/kg/day

General population - Inhalation; Long term systemic effects: 89 mg/m³

General population - Dermal; Long term systemic effects: 319 mg/kg/day

General population - Oral; Long term systemic effects: 26 mg/kg/day

Deb Surface Sanitiser Wipes

PNEC

- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- STP; 2251 mg/l
- Sediment (Freshwater); 552 mg/kg
- Sediment (Marinewater); 552 mg/kg
- Soil; 28 mg/kg

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

DNEL

Workers - Inhalation; Long term systemic effects: 3.96 mg/m³
 Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day
 General population - Inhalation; Long term systemic effects: 1.64 mg/m³
 General population - Dermal; Long term systemic effects: 3.4 mg/kg/day
 General population - Oral; Long term systemic effects: 3.4 mg/kg/day

PNEC

- Fresh water; 0.0009 mg/l
- Marine water; 0.00096 mg/l
- Intermittent release; 0.00016 mg/l
- STP; 0.4 mg/l
- Sediment (Freshwater); 12.27 mg/kg
- Sediment (Marinewater); 13.09 mg/kg
- Soil; 7 mg/kg

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

DNEL

Workers - Inhalation; Long term systemic effects: 18.2 mg/m³
 Workers - Dermal; Long term systemic effects: 8.6 mg/kg/day

PNEC

- Fresh water; 2 µg/L
- Marine water; 0.2 µg/L
- Intermittent release; 0.29 µg/L
- STP; 0.595 mg/l
- Sediment (Freshwater); 2.82 mg/kg
- Sediment (Marinewater); 0.28 mg/kg
- Soil; 1.4 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

Eye/face 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.

Hand protection

Wear protective gloves.

Respiratory protection

Not relevant.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid-impregnated wipe.

Deb Surface Sanitiser Wipes

Colour	Blue.
Odour	Characteristic.
Odour threshold	Not determined. Not determined.
pH	pH (concentrated solution): ~7.0
Melting point	Not determined.
Initial boiling point and range	Not available.
Flash point	Not determined.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Scientifically unjustified. : : Scientifically unjustified.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	~ 1.0 @ 20°C
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Scientifically unjustified.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information required.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not known.
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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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.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
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SECTION 11: Toxicological information

Deb Surface Sanitiser Wipes

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 22,446.68911336

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 49,382.71604938

Skin corrosion/irritation

Animal data Moderately irritating.

Serious eye damage/irritation

Serious eye damage/irritation Irritating.

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 The product is irritating to eyes and skin.

Eye contact Irritating to eyes.

SECTION 12: Ecological Information

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

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Deb Surface Sanitiser Wipes

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

General information When handling waste, the safety precautions applying to handling of the product should be considered.

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

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

Deb Surface Sanitiser Wipes

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).

REGULATION (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Use biocides safely. Always read the label and product information before use.
Key literature references and sources for data	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.
Revision comments	This is first issue.
Revision date	18/05/2015
Revision	1
SDS number	20777
Hazard statements in full	H225 Highly flammable liquid and vapour. H290 May be corrosive to metals. 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. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. 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.
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.

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.



MATERIAL SAFETY DATA SHEET

Deb Pure Restore Afterwork Cream

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Deb Pure Restore Afterwork Cream
Product No. RES150ML-AUS, RES1L-AUS

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

Application: Hand Cream

1.3. Details of the supplier of the safety data sheet

Supplier DEB Australia Pty Ltd
 Unit 1
 1 Secombe Place
 Moorebank
 NSW 2170
 Australia
 (61 2) 8763 1800
 (61 2) 8763 1899
 sales@deb.com.au

1.4. Emergency telephone number

NSW Poisons Information Centre Contact 131126 New Zealand call 0800 764 766

SECTION 2: HAZARDS IDENTIFICATION

Risk Phrases

NC Not classified.

Safety Phrases

NC Not classified.

2.1. Classification of the substance or mixture

2.2. Label elements

Risk Phrases

NC Not classified.

Safety Phrases

NC Not classified.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Deb Pure Restore Afterwork Cream

INCI

Aqua
Cetearyl alcohol
Sodium lauryl sulphate
Glycerin
Mineral oil
Glycol stearate
Lanolin alcohol
Ceteareth -20
Allantoin
Methyl paraben
Propyl paraben
Triticum vulgare (wheat) germ oil
p-chloro-m-cresol
Simmondsia Chinensis(jojoba) seed oil
Aloe Barbadensis Leaf extract

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.

Ingestion

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

Skin contact

Not relevant.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Inhalation

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

None under normal conditions.

Eye contact

May cause temporary eye irritation.

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.

Deb Pure Restore Afterwork Cream

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

8.1. Control parameters

8.2. Exposure controls

Engineering measures

Not relevant.

Respiratory equipment

No specific recommendations.

Hand protection

Not relevant

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

Not relevant.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous Cream
Colour	Yellowish
Odour	Characteristic.
Solubility	Miscible with water
Relative density	0.95-1.05
pH-Value, Conc. Solution	5.5-7.5

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

Deb Pure Restore Afterwork Cream

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

None 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

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

No specific health warnings noted.

Ingestion

May cause discomfort if swallowed.

Skin contact

Skin irritation is not anticipated when used normally.

Eye contact

May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability

The product is biodegradable.

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.

Deb Pure Restore Afterwork Cream

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.

SECTION 14: TRANSPORT INFORMATION

Road 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

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 INFORMATION15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Health And Environmental Listings**

Country/Region Inventory Status

Australia AICS All components listed

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**Revision Comments**

New MSDS Software

Revision Date 19/10/2011

Revision 1

Deb Pure Restore Afterwork Cream

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.