our safety data sheet for... anti-bacterial sanitiser



1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier Product Name:

Product Code:

e: Anti-Bacterial Sanitiser (EN1276 and EN13697 approved - see section 17) e: SNA050DEL01C / SNA020DEL01C (concentrate)

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Substance/Mixture: Hard surface disinfectant and cleaner.

Use of the Substance/Mixture: Hard surface disinfectant and cleaner. Recommended restrictions on use: We do not have information on restrictions. They will be included when available

 1.3 Details of the supplier of the safety data sheet

 Company:
 Delphis Eco, Unit 1, River Reach, Gartons Way, London SW11 3SX

 1.4 Emergency telephone number
 t. 0203 397 0096 (office hours only)
 f. 0870 974 7219
 e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger Risk Phrases Irritant R36

Classification according to Regulation (EC) No 1272/2008: Refer to Section 16. For the wording of the listed R phrases or H statements, refer to section 16.

2.2 Label elements

Labelling according to EU Directive 1999/45/EC





Classification:	Xi:	Irritant
Risk Phrases:	R36:	Irritating to eyes
Safety Phrases	S2:	Keep out of reach of children.
	S24/25:	Avoid contact with skin and eyes
	S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39:	Wear suitable gloves and eye/face protection.

Labelling according to Regulation (EC) No 1272/2008: Refer to Section 16.

2.3 Other hazards

No other information is available. Hazardous components which must be listed on the label: None

3. Composition/Information on Ingredients

3.2 Mixtures

5.2 WIXtures				
Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Ethoxylated Alcohol	EC – Polymer CAS – 68439-46-3	Harmful R22 Irritant R41	Acute Tox 4 H302 Eye Damage 1 H318	1-5%
Didecyl Dimethyl Ammonium Chloride	EC – 230-525-2 CAS – 7173-51-5	Harmful R22 Corrosive R34 Dangerous for the Environment R50	Acute Tox 4 H302 Skin Corr.1B H314 Aquatic. Acute 1 H400	1-5%
Quaternary Ammonium Compounds	EC – 264-151-6 CAS – 63449-41-2	Harmful R22 Corrosive R34 Dangerous for the Environment R50	Acute Tox 4 H302 Skin Corr.1B H314 Aquatic. Acute 1 H400	1-5%

For the wording of the listed R phrases or H statements, refer to section 16.

Product name:Anti-Bacterial SanitiserProduct code:SNA050DEL01C / SNA020DEL01CPage:2 of 5



4. First Aid Measures

4.1 Description	of first aid measures	
Eye contact:	Avoid cont	act

Eye contact:	Avoid contact with eyes, if product gets into eyes, rinse with water.
Skin contact:	Avoid contact with skin, if product gets onto skin wash with water and remove contaminated clothing.
Ingestion:	Do not drink, if swallowed drinking water may be beneficial, do not induce vomiting.
Inhalation:	Avoid inhaling product, move to fresh air if in discomfort.

4.2 Most important symptoms and effects, both acute and delayed No further information available.

4.3 Indication of immediate medical attention and special treatment needed Treatment: Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing Media: Suitable Extinguishing Media: Foam, Dry Powder, Co2, fine water spray suitable. Unsuitable Extinguishing Media: None.

5.2 Special hazards arising from the substance or mixture Not classed as flammable.

5.3 Advice for fire fighters Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

6.4 Reference to other sections For personal protection refer to section 8.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

7.3 Specific end uses

To be used as a hard surface cleaner.

8. Exposure Controls/Personal Protection

8.1 Control parameters

WEL's not listed for individual components.

8.2 Exposure controls

Respiratory Protection:	Unlikely to be necessary where adequate ventilation is provided.
Eyes:	Eye protection should be worn.
Hand:	PVC or rubber gloves are recommended.
Skin:	Remove contaminated clothing and wash with soap and water.

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Product name: Anti-Bacterial Sanitiser Product code: SNA050DEL01C / SNA020DEL01C Page: 3 of 5

8.2.3 Environmental exposure controls Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties

9.1 Information on basic physical and Appearance: Odour: Odour Threshold: pH Neat: Freezing Point: Initial Boiling Point & Boiling Range: Flash Point: Evaporation rate: Flammability: Upper/Lower Flammability Limits: Vapour Pressure: Vapour Pressure: Vapour Density: Relative Density: Solubility: Partition Coefficient (Oct/Water): Auto Ignition Temperature: Decomposition Temperature: Viscosity: Explosive Properties: Oxidising Properties:	chemical properties Clear Water White Fluid Characteristic Detergent Not determined 11.0 typical 0°C 100°C Not applicable Not determined Not determined Not determined Not determined 1.020 typical @ 20°C Soluble in water Not determined Not applicable Not applicable >100°C As water Not applicable Not applicable Not applicable
9.2 Other Information	

No other information

10. Stability and Reactivity

10.1 Reactivity No information available

10.2 Chemical Stability No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions No information available.

10.4 Conditions to Avoid High temperatures, naked flames

10.5 Incompatible materials

Strong oxidising agents, strong acids

10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions

11. Toxicological Information

11.1 Information on toxicological effects

- Product is classified as an eye irritant. Contact with the product is likely to cause irritation and stinging. Eyes: Product is not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Skin:
- Prolonged or repeated contact with the product may lead to de-fatting of the skin and/or slight irritation.
- Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.
- Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in Ingestion: normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.

Quaternary Ammonium	LD50 Oral (rat) LD50 Oral (rat) LD50 Dermal (rat)	>2000 mg/kg 795mg/kg 1560 mg/kg
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Product name: Anti-Bacterial Sanitiser Product code: 4 of 5

SNA050DEL01C / SNA020DEL01C

Didecyl Dimethyl

Ammonium Chloride

LD50 Oral (rat) LD50 Dermal (rat)

12. Ecological Information

Page:

12.1 Toxicity			
Eco-toxicity:	Ethoxylated Alcohol	LC50 96hrs (fish)	198 mg/l
		EC50 48hrs (daphnia)	280 mg/l
	Quaternary Ammonium	LC50 96hr (fish)	1.7mg/l
	Compounds	EC50 48hr (daphnia)	0.03mg/l
		EC50 96hr (algae)	0.06mg/l
	Didecyl Dimethyl	LC50 96hrs (fish)	1.7 mg/l
	Ammonium Chloride	EC50 48hrs (daphnia)	0.03 mg/l
		EC50 96hrs (algae)	0.06 mg/l

12.2 Persistence and 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, (or are undergoing testing to obtain a derogation within the terms of the directive). 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 Bio-accumulative potential Not expected to bio-accumulate.

12.4 Mobility in soil No information.

12.5 Results of PBT and vPvB assessment No information

12.6 Other adverse effects Not known.

13. Disposal Recommendations

13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information

Product is not classified as hazardous for transport.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling in accordance with the Detergents Directive (EC) No. 648/2004. Less than 5% non-ionic surfactants. Less than 5% cationic surfactants.

Safety data sheet according to Regulation (EC) No. 453/2010. This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5. 1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments. 98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements. 1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments. Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s). The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.



795 mg/kg

1560 mg/kg



 Product name:
 Anti-Bacterial Sanitiser

 Product code:
 SNA050DEL01C / SNA020DEL01C

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16. Other Information

Classification accordin		
Hazard Class	Hazard Ca	tegory Hazard Statements
Eye Irritation	Category 2	2 H319
Labelling according to	Regulation (E	C) No 1272/2008
Hazard Symbols:		
Signal word:	Warning	
Hazard Statements:	H319:	Causes serious eye irritation.
Precautionary Stateme	ents:	
General:	P102:	Keep out of reach of children.
Prevention:	P264:	Wash skin thoroughly after handling.
	P280:	Wear protective gloves/eye protection.
Response:	P305 + P35	51 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact le
		if present and easy to do. Continue rinsing.
	P337 + P31	13: If eye irritation persists: Get medical advice/attention.

Full text of R-phrases referred to under sections 2 & 3:

- R22: Harmful if swallowed.
- R34: Causes burns.
- R41: Risk of serious damage to eyes.
- R50: Very toxic to aquatic organisms.

Full text of H-Statements referred to under sections 2 & 3:

- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H400: Very toxic to aquatic life.

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

17. Microbiological Data (independently tested by Campden BRI and Eurofins biolab)

EN1276 Bactericidal suspension test requires a 5 log reduction within contact time (obligatory contact time 5 minutes) against all 4 obligatory challenge organisms under Dirty and/or clean conditions.

The Delphis Eco anti-bacterial sanitizer concentrate met the EN1276 criteria under CLEAN conditions (0.03% Bovine Albumin) at 2% dilution after 5 minutes contact. The Delphis Eco anti-bacterial sanitizer concentrate met the EN1276 criteria under DIRTY conditions (0.3% Bovine Albumin) at 4% dilution after 5 minutes contact

EN13697 Bactericidal non porous surface test requires a 4 log reduction within a contact time (obligatory contact time 5 minutes) against all 4 obligatory challenge organisms under Dirty and/or Clean conditions. The Delphis Eco anti-bacterial sanitizer concentrate met the EN13697 criteria under CLEAN conditions (0.03% Bovine albumin) at 6% after 5 minutes contact. The Delphis Eco anti-bacterial sanitizer concentrate met the EN13697 criteria under DIRTY conditions (0.3% Bovine albumin) at 10% after 5 minutes contact.

Taint test (as described in the report):

The Delphis Eco anti-bacterial sanitiser concentrate met the Taint test criteria at 4% (representing a use concentration of 2%)

Date: 25.07.13

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Revision Number: 4.0

our safety data sheet for... anti-bacterial sanitiser



1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier Product Name:

Product Code:

: Anti-Bacterial Sanitiser (EN1276 and EN13697 approved - see section 17) SNA003DEL01R / SNA007DEL01R (ready-to-use)

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Substance/Mixture: Hard surface disinfectant and cleaner.

Recommended restrictions on use: We do not have information on restrictions. They will be included when available

 1.3 Details of the supplier of the safety data sheet

 Company:
 Delphis Eco, Unit 1, River Reach, Gartons Way, London SW11 3SX

 1.4 Emergency telephone number
 t. 0203 397 0096 (office hours only)
 f. 0870 974 7219
 e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture Classification according to EU Directive 1999/45/EC Hazard Symbol/Category of danger None Classification according to Regulation (EC) No 1272/2008: Refer to Section 16. For the wording of the listed R phrases or H statements, refer to section 16.

2.2 Label elements

Labelling according to EU Directive 1999/45/EC Safety Phrases 52: Keep out of reach of children. S24/25: Avoid contact with skin and eyes. Labelling according to Regulation (EC) No 1272/2008: Refer to Section 16.

2.3 Other hazards No other information is available.

3. Composition/Information on Ingredients

3.2 Mixtures

This product does not contain any hazardous substances at levels in excess of their specific concentration limits or possessing a UK or EU Workplace Exposure Limit. For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures

4.1 Description of first aid measures

Eye contact:	Avoid contact with eyes, if product gets into eyes, rinse with water.
Skin contact:	Avoid contact with skin, if product gets onto skin wash with water and remove contaminated clothing.
Ingestion: Inhalation:	Do not drink, if swallowed drinking water may be beneficial, do not induce vomiting.
innalation:	Avoid inhaling product, move to fresh air if in discomfort.

4.2 Most important symptoms and effects, both acute and delayed No further information available.

4.3 Indication of immediate medical attention and special treatment needed Treatment: Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing Media Suitable Extinguishing Media: Foam, Dry Powder, Co2, fine water spray suitable. Unsuitable Extinguishing Media: None.

5.2 Special hazards arising from the substance or mixture Not combustible. May emit noxious fumes in a fire.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray.

our safety data sheet for...

Product name:AProduct code:SIPage:2

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Prevent water run-off from discharging into drains.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eve goggles and PVC or rubber

6.2 Environmental precautions Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

6.4 Reference to other sections For personal protection refer to section 8.

gloves. Avoid contact with skin and eves.

7. Handling and Storage

7.1 Precautions for safe handling Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

7.3 Specific end uses To be used as a disinfectant/cleaner.

8. Exposure Controls/Personal Protection

8.1 Control parameters

WEL's not listed for individual components.

8.2 Exposure controls

 Respiratory Protection:
 Unlikely to be necessary where adequate ventilation is provided.

 Eyes:
 Eye protection should be worn.

 Hand:
 PVC or rubber gloves are recommended.

 Skin:
 Remove contaminated clothing and wash with soap and water.

8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Clear Water White Fluid Appearance: Odour: Bland Odour Threshold: Not determined pH Neat: 8.5 typical Freezing Point: 0°C Initial Boiling Point & Boiling Range: 100°C Flash Point Not applicable Evaporation rate: Not determined Flammability: Not Flammable Upper/Lower Flammability Limits: Not applicable Vapour Pressure: Water=18mm Hg Vapour Density: Not determined **Relative Density:** 1.00 typical @ 20°C Solubility: Soluble in water Partition Coefficient (Oct/Water): Not determined Not applicable Auto Ignition Temperature: Decomposition Temperature: >100°C Viscosity: As water Explosive Properties: Not applicable



Product name: Anti-Bacterial Sanitiser Product code: SNA003DEL01R / SNA007DEL01R Page: 3 of 4

Oxidising Properties:

Not applicable

9.2 Other Information No other information.

10. Stability and Reactivity

10.1 Reactivity No information available.

10.2 Chemical Stability No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions No information available.

10.4 Conditions to Avoid High temperatures, naked flames.

10.5 Incompatible materials Strong oxidising agents, strong acids.

10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions.

11. Toxicological Information

11.1 Information on toxicological effects

- Eves: Not classified as an eye irritant. Contact with the product may cause temporary irritation and stinging.
- Not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or Skin: repeated contact may lead to de-fatting of the skin and/or slight irritation.
- Inhalation[.] Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.
- Indestion[.] Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.

12. Ecological Information

12.1 Toxicity No information.

12.2 Persistence and 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, (or are undergoing testing to obtain a derogation within the terms of the directive). 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 Bio-accumulative potential

Not expected to bio-accumulate.

12.4 Mobility in soil Highly water soluble, will not persist in soil.

12.5 Results of PBT and vPvB assessment No information

12.6 Other adverse effects Not known.

13. Disposal Recommendations

13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation



Product name: Anti-Bacterial Sanitiser Product code: SNA003DEL01R / SNA007DEL01R 4 of 4

Authority whether special waste regulations apply to this product.

14. Transport Information

Page:

Product is not classified as hazardous for transport.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling in accordance with the Detergents Directive EC 648/2004: Less than 5% cationic surfactants.

Safety data sheet according to Regulation (EC) No. 453/2010. This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5. 1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments. 98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements. 1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments. Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s). The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment No information at the present time.

16. Other Information

Classification according to Regulation (EC) No 1272/2008 Hazard Class Hazard Category Hazard Statements None None None Labelling according to Regulation (EC) No 1272/2008 Hazard Symbols Signal word Hazard Statements None None None

Precautionary Statements: General: P102: Keep out of reach of children. Prevention: P262: Do not get in eyes, on skin or on clothing.

Full text of R-phrases referred to under sections 2 & 3. Full text of H-Statements referred to under sections 2 & 3.

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

17. Microbiological Data (independently tested by Campden BRI and Eurofins biolab)

EN1276 Bactericidal suspension test requires a 5 log reduction within contact time (obligatory contact time 5 minutes) against all 4 obligatory challenge organisms under Dirty and/or clean conditions. The Delphis Eco anti-bacterial sanitizer concentrate met the EN1276 criteria under CLEAN conditions (0.03% Bovine Albumin) at 2% dilution after 5 minutes contact. The Delphis Eco anti-bacterial sanitizer concentrate met the EN1276 criteria under DIRTY conditions (0.3% Bovine Albumin) at 4% dilution after 5 minutes contact.

EN13697 Bactericidal non porous surface test requires a 4 log reduction within a contact time (obligatory contact time 5 minutes) against all 4 obligatory challenge organisms under Dirty and/or Clean conditions. The Delphis Eco anti-bacterial sanitizer concentrate met the EN13697 criteria under CLEAN conditions (0.03% Bovine albumin) at 6% after 5 minutes contact. The Delphis Eco anti-bacterial sanitizer concentrate met the EN13697 criteria under DIRTY conditions (0.3% Bovine albumin) at 10% after 5 minutes contact

Taint test (as described in the report): The Delphis Eco anti-bacterial sanitiser concentrate met the Taint test criteria at 4% (representing a use concentration of 2%)

Date: 25 07 13

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or guality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Revision Number: 3.0

