



SAFETY DATA SHEET

In accordance with REACH Regulation EC No. 1907/2006
as amended by EC 453/2010



Product:

Surface Disinfection Wipes Food Safe Quat Free

Version: Version 3
Supersedes: Version 2: dated 23/03/2015

Date: 06/08/2015
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier Surface Disinfection Wipes

Other means of identification EBSD1000QF EBSD500QF ETSD200QF

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

Uses: A wet wipe with biocidal activity for use in all food preparation area for cleaning and disinfecting surfaces etc.

Not to be used for:

1.3 Details of the supplier of the Safety Data Sheet

Company Name: EcoTech (Europe) Limited

Address: EcoTech House
Falkland Close
Charter Avenue Industrial Estate
Coventry
West Midlands
CV4 8AU
United Kingdom

Telephone: +44 (0)24 7647 1894

Fax: +44 (0)24 7647 4743

E-mail: sales@ecotech-europe.com

Web Site www.ecotechwipes.com

1.4 Emergency telephone number

Telephone: National Poisons Information Service (UK) +44 (0)844 8920111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

1999/45/EC Xi; R36/38

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Symbols: Xi: Irritant.

Main Hazards Irritating to eyes and skin.

- EC 1272/2008 H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

2.2 Label elements



Signal Word Warning

Hazard Statement

Eye Irrit. 2: H319 - Causes serious eye irritation.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statement: Prevention

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statement: Response

P101 - If medical advice is needed, have product container or label at hand.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see on this label).

P332+P313 - If skin irritation occurs: Get medical advice / attention.

P337+P313 - If eye irritation persists: Get medical advice / attention.

Precautionary Statement: Disposal

P501 - Dispose of contents / container to a licensed waste disposal company in compliance with local and national regulations.

2.3 **Other hazards** This product does not contain any PBT or VPvB substances.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Substances** Product is a mixture, See section 3.2 for further information.



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3.2 Mixtures

67/548/EEC /
1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 – 10%	F; R11 Xi; R36 R67	
N-(3-Aminopropyl) -N-Dodecylpropane-1,3-Diamine		2372-82-9	219-145-8		0.5 – 1%	C; R35 Xn; R22-48/22 N; R50 M=10	M=10
Sodium Hydroxide	011-002-00-6	1310-73-2	215-185-5		0 - 0.5%	C; R35	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 – 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
N-(3-Aminopropyl) -N-Dodecylpropane-1,3-Diamine		2372-82-9	219-145-8		0.5 – 1%	Acute Tox. 3: H301; Skin Corr. 1A: H314; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	M=10
Sodium Hydroxide	011-002-00-6	1310-73-2	215-185-5		0 - 0.5%	Skin Corr. 1A: H314;	

Further information For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Inhalation is highly unlikely due to liquid impregnated on a fabric substrate, therefore considered to be not hazardous by inhalation. Seek medical attention if irritation or symptoms persist.
Eye contact	Eye contact is unlikely due to liquid impregnated on a fabric substrate. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion is highly unlikely due to liquid impregnated on a fabric substrate. Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.



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4.2 Most important symptoms and effects, both acute and delayed

Inhalation No specific symptoms noted.

Eye contact May cause eye irritation.

Skin contact May cause Irritation to skin.

Ingestion No specific symptoms noted.

4.3 Indication of any immediate medical attention and special treatment needed If you feel unwell, seek medical advice (show the label where possible). No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.

5.2 Special hazards arising from the substance or mixture In the event of a large fire toxic fumes containing oxides of carbon may be formed, which would necessitate the use of a self-contained breathing apparatus.

5.3 Advice for firefighters Standard protective equipment should be worn by fire fighters, in particular eye / face protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Avoid contact of the impregnating fluid with the eyes.

6.2 Environmental precautions Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Avoid release to the environment. Refer to special instructions / Safety Data Sheets.

6.4 Reference to other sections For recommended personal protective equipment see Section 8. For disposal see Section 13.



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SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with eyes. Adopt best Manual Handling considerations when handling, carrying and dispensing.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Do NOT allow to freeze. Refer to special instructions / Safety Data Sheets.
- 7.3 Specific end use** No relevant information available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters** The product is impregnated onto a fabric substrate so free liquid will not be available and exposure significantly mitigated.

8.1.1 Exposure Limit Values

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m ³ : 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m ³ : 1250
	WEL 8-hr limit mg/m ³ total - inhalable dust: WEL 8-hr limit mg/m ³ total - respirable dust:	WEL 15 min limit mg/m ³ total - inhalable dust: WEL 15 min limit mg/m ³ total - respirable dust:
Sodium Hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m ³ : -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : 2
	WEL 8-hr limit mg/m ³ total - inhalable dust: WEL 8-hr limit mg/m ³ total - respirable dust:	WEL 15 min limit mg/m ³ total - inhalable dust: WEL 15 min limit mg/m ³ total - respirable dust:

8.2 Exposure controls

- 8.2.1 Appropriate engineering Controls** Keep in a cool, dry, well ventilated area.
- 8.2.2 Individual protection measures** None



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8.2.3 Environmental exposure controls Do not empty into drains. Do not flush into surface water. Prevent further spillage if safe.

8.2.3. Further information Information valid at the time of review of safety data sheet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a Appearance: Blue or white nonwoven fabric impregnated with a colourless solution.
- b Odour: Unfragranced but characteristic alcoholic odour.
- c Odour threshold: Not available.
- d pH: 8.5 – 9.5
- e Melting point / freezing point: Not available.
- f Initial boiling point and boiling range: Not available.
- g Flash point: 41°C.
- h Evaporation rate: Not available.
- i Flammability (solid, gas): Not applicable.
- j Upper / lower flammability or explosive limits: Not available.
- k Vapour pressure: Not available.
- l Vapour density: Not available.
- m Relative density: Not available.
- n Solubility(ies): Impregnating fluid completely soluble / miscible with water.
- o Partition coefficient: Completely miscible with water



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n-octanol / water:

p Auto-ignition temperature: Not available.

q Decomposition temperature: Not available.

r Viscosity: Water thin.

s Explosive properties: Not available.

t Oxidising properties: Not available.

9.2 Other information None available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** This preparation is stable under normal conditions of storage / use and no chemical incompatibility is known.
- 10.2 Chemical Stability** Stable under recommended storage and handling conditions. The product is not flammable. Will not decompose if stored and used as recommended.
- 10.3 Possibility of hazardous reactions** Strong acids and Strong bases. Strong oxidising agents.
- 10.4 Conditions to avoid** Avoid excessive heat. Do Not allow to freeze.
- 10.5 Incompatible materials** Strong acids and Strong bases. Strong oxidising agents.
- 10.6 Hazardous decomposition products** Combustion of the product will generate toxic fumes containing oxides of carbon may be formed.

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 May cause skin irritation.

Serious eye damage / irritation May cause eye irritation.



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Respiratory or skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	Not classified as a specific target organ toxicant after a single exposure.
STOT-repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	Based on available data the classification criteria are not met.

11.1.4 Toxicological Information

Isopropanol	Inhalation Rat LC50/4 h: 30 mg/l Dermal Rabbit LD50: 12800 mg/kg	Oral Rat LD50: 5045 mg/kg
N-(3-Aminopropyl)-N-Dodecylpropane-1,3-Diamine	Dermal Rat LD50: > 600 mg/kg	Oral Rat LD50: 261 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

N-(3-Aminopropyl)-N-Dodecylpropane-1,3-Diamine	Daphnia EC50/48h: 0.073000 mg/l Rainbow trout LC50/96h: 0.68 mg/l	Green algae EC50/96h: 0.054 mg/l Bluegill sunfish LC50/96h: 0.45 mg/l
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12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the 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 Bio accumulative potential

No data available.

12.4 Mobility in soil

The product is soluble in water.

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.



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12.6 Other adverse effects Not known.

SECTION 13: DISPOSAL CONSIDERATION

13.1 **Waste treatment methods** Contact a licensed waste disposal company. Dispose of as special waste in compliance with local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

Hazard Pictograms



14.1 **UN number** UN3082

14.2 **UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 **Transport hazard class(es)**

ADR/RID 9
Subsidiary Risk -

IMDG 9
Subsidiary Risk -

IATA 9
Subsidiary Risk -

14.4 **Packing group** III

14.5 **Environmental hazards** Yes

Marine Pollutant Yes

14.6 **Special precautions for user** Not applicable.

14.7 **Transport in bulk according to Annex** Not applicable.



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II of MARPOL 73 / 78 and the IBC Code

ADR/RID

Hazard ID 90
Tunnel Category (E)

IMDG

EmS Code F-A S-F

IATA

Packaging Instruction (Cargo) 964
Maximum quantity 450 L
Packaging Instruction (Passenger) 964
Maximum quantity 450 L

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture** Commission Directive 2000/39/EC of 8 June 2000 established a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Regulation, 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. Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.
- 15.2 Chemical safety assessment** No assessment has been carried out.

SECTION 16: OTHER INFORMATION

- Revision** This document reflects a change of the active ingredient in the formulation from a mixture of Didecyldimethyl Ammonium Chloride and Isopropanol to N-(3-Aminopropyl) -N-Dodecylpropane-1,3-Diamine Isopropanol and Sodium Hydroxide. The Hazard data has been updated to take the formulation change into account.
- Text of risk phrases** R11 - Highly flammable.



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in Section 3

R22 - Harmful if swallowed.
R35 - Causes severe burns.
R36 - Irritating to eyes.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50 - Very toxic to aquatic organisms.
R67 - Vapours may cause drowsiness and dizziness.

Text of Hazard Statements in Section 3

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Eye Irrit. 2: H319 - Causes serious eye irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.
Acute Tox. 3: H301 - Toxic if swallowed.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Glossary

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
PBT Persistent, bio accumulative, toxic
RID Convention concerning International Carriage by Rail
vPvB very persistent, very bio accumulative
STOT Specific Target Organ Toxicity
WEL Workplace Exposure Limit.

General Information No relevant information available

Further Information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy, reliability or completeness. 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 other process. It is the user's responsibility to satisfy him/herself as to the suitability of such information for his / her own particular use.