

TUFFIE DISINFECTANT WIPES - SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade names: Tuffie 5 Universal Sanitising Wipes

Product Code/s: 901SW150FC	Flexi Can (150 wipes)
901SW150RP	Refill Pack (150 wipes)
901SW500BX	Large box (500 wipes)
901SW225BX	Large Box (225 wipes)

Product identifier UFI; 0200-U0CW-500M-Q5U6

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

Use of Substance / Preparation: Wipes for cleaning and disinfecting surfaces.

Uses advised against: Invasive medical devices.

1.3 Supplier's details

Company Name: Ebos Healthcare
Address: Unit 2A Clayton Business Park
1508 Centre Rd,
Clayton
VIC 3168
Australia

Telephone: +61 3 8588 1007
Fax: +61 3 8588 1007
Email: raqa.hcs@vernacare.com

1.4 Emergency telephone number

Emergency number: UK Tel: +441204 529494
Australian: Tel: +61 3 8588 1007

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification as hazardous according to Australian WHS regulation.

Skin Sens 1, H317 May cause an allergic skin reaction

See Section 16 'Other information' for full text of the H-statements.

2.2 Label elements

Hazard Pictogram:



Signal Word(s): Warning

Hazard Statement(s): H317 – May cause an allergic skin reaction.

Precautionary statements

Prevention: P261 - Avoid breathing spray.
P280 - Wear protective gloves.

Response: P302+P350+P33+P313. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention.

Storage: None.

Disposed: P501 - Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

Supplemental information: None.

2.3 Other Hazards

The product does not contain any ingredient identified as having endocrine disrupting properties according to Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Wipes: Polypropylene

3.2 Mixtures ^{a,b}

Declarable components	Conc. (wt%)	EC No.	CAS No.	REACH Reg. No.	Classification, supplemental hazards, ATE, M-factor, and SCL
Lauryl betaine ^c	Ca. 1	211-669-5	683-10-3	01-2119529251-48-XXXX	Skin Irrit 2, H315; Eye Irrit 2, H319; Skin Sens 1, H317
Didecyldimethylammonium chloride (DDAC)	0.1 to 0.5	230-525-2	7173-51-5	01-2119945987-15-XXXX	Acute Tox 3, H301; Skin Corr 1B, H314; Eye Dam 1, H318; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 2, H411

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Chlorhexidine digluconate (CHDG)	0.1 to 0.5	242-354-0	18472-51-0	01-2119946568-0005	Eye Dam 1, H318; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 1)
Polyhexamethylene biguanide (PHMB)	0.1 to 0.5	608-042-7	27083-27-8	NA	Acute Tox 4, H302; Acute Tox 2, H330; Eye Dam 1, H318; Skin Sens 1B, H317; Carc 2, H351; STOT RE 1, H372 (respiratory tract; inhalation); Aquatic Acute 1, H400 (M = 10), Aquatic Chronic 1, H410 (M = 10)
Benzalkonium chloride (BAC)	0.01 to 0.1	270-325-2	68424-85-1	01-2119945987-15-XXXX and 01-2120771812-51-XXXX	Acute Tox 4, H302; Skin Corr 1B, H314; Eye Dam 1, H318; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 1).
Other components					
Water	90 to 100	231-791-2	7732-18-5	NA	Not Classified

^a NA: not available.

^b See Section 16 'Other information' for full text of the H-statements.

^c Chemical name: (carboxylatomethyl)dodecyldimethylammonium.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If inhalation is suspected of causing respiratory effects (eg irritation or difficulties in breathing), move person to fresh air and keep warm and at rest in a position comfortable for breathing. If symptoms continue, call a doctor.
Skin	For skin contamination, rinse affected area with water. Call a doctor if irritation, rash, or other symptoms occur.
Eye	In case of contact with eyes, rinse eye with room-temperature water or eyewash solution, occasionally lifting eyelids. Call a doctor if irritation persists.
Ingestion	If swallowed, rinse mouth thoroughly and give water to drink. Get medical attention for any symptoms. Do not induce vomiting, unless instructed by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

Liquid in the wipe or spray may cause an allergic skin reaction. Inhalation may cause drowsiness or dizziness.

4.3 Most important symptoms and effects, both acute and delayed

Treat symptoms as they occur.

5. FIRE-FIGHTING MEASURES

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5.1 Extinguishing media

Suitable: Water spray, foam, carbon dioxide, or dry chemical powder are suitable for use with the product.

Unsuitable: Not available.

5.2 Special hazards arising from the substance or mixture

The product is water-based and not classified as flammable, but if involved in a fire, it will decompose producing hazardous smoke, vapours and gases.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear full protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Product is supplied in small packages (wipes or spray container), which do not pose a hazard, and can be collected.

Wear gloves (see Section 8) and eye protection for cleaning liquid spills. Liquid spills on the floor may be slippery.

6.2 Environmental precautions

The product is not classified for environmental effects. Prevent spills of bulk material entering watercourses or drains.

6.3 Methods and materials for containment and cleaning up

Clean up spill as soon as possible.

For small quantities, collect product or wipe off residue with cloth or paper.

For large quantities recover by using techniques such as absorption with an inert material, eg dry sand. Rinse contaminated surfaces with water, and collect waste, washings, and contaminated materials for safe disposal. appropriate method.

6.4 Reference to other sections

For recommended personal protective equipment, see Section 8. For disposal considerations, see Section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid skin and eye contact with the product, and inhalation of spray, using measures described in Section 8. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

No special considerations.

7.3 Specific end use(s)

Hard surface cleaning and disinfectant wipes and spray, particularly for non-invasive medical devices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

EU limit values	None.
National limit values	None
Monitoring procedure	BS EN 14042:2003; Workplace Atmospheres; Guide for the Application and Use of Procedures for the Assessment of Exposure to Chemical and Biological Agents, or specific national equivalent.
Other: human health (DNELs, DMELs)	BAC: DNELs: workers, long-term exposure, systemic effects, inhalation, 3.96 mg/m ³ ; workers, long-term exposure, systemic effects, dermal, 5.7 mg/kg/d.
Other: environmental (PNEC)	Lauryl betaine: PNECs: freshwater, 0.002 mg/L; sewage treatment plant, 1 mg/L. DDAC: PNECs: freshwater, 0.0011 mg/L; sewage treatment plant, 0.14 mg/L; freshwater sediment, 61.8 mg/kg dry sediment; soil, 1.4 mg/kg dry soil. BAC: PNECs: freshwater, 0.001 mg/L; sewage treatment plant, 0.4 mg/L; freshwater sediment, 12.27 mg/kg dry sediment; soil, 7 mg/kg dry soil.

8.2. Exposure controls

Engineering controls	Engineering controls not required for normal use of the finished product. Use in a well-ventilated place (3 to 5 air changes per hour) is recommended for spray use.
Personal protective equipment	The need for personal protective equipment should be based on a risk assessment for the particular use. Avoid skin contact by wearing chemical resistant gloves (eg nitrile rubber, 3.5 mil) and safety goggles. If extensive contact may occur, wear protective clothing (eg lab coat). Wear respiratory protective equipment (particulate mask) if inhalation of spray is foreseen. PPE should conform to British (EN) standards, eg gloves EN 420 and 374; eye protection EN 166; particulate mask EN 149. Consult PPE manufacturers concerning breakthrough times applicable to your particular use.
Environmental exposure controls	Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid (in wipes or spray product)
Colour	Colourless
Odour	Not available
Melting/freezing point	Not available (0 °C for water)
Boiling point or initial boiling point and boiling range	Not available (100 °C for water)
Flammability	Not flammable liquid (aqueous solution)

Lower and upper explosion limit	Not applicable to aqueous solution
Flash point	No flash point below boiling point
Auto-ignition temp.	Not available
Decomposition temp.	Not available
pH	Not available
Kinematic viscosity	Not available
Solubility	Soluble in water (aqueous solution)
Partition coeff. n-octanol/water (log value)	Not available
Vapour pressure	Not available (2310 Pa at 20 °C for water)
Density or rel. density	Ca. 1
Relative vapour density	Not available
Particle characteristics	Not applicable to liquid

9.2. Other information

Not expected to be explosive or oxidising

10. STABILITY AND REACTIVITY

- 10.1 Reactivity** Not available.
- 10.2 Chemical stability** Stable under recommended storage and handling conditions. No hazardous polymerization.
- 10.3 Possibility of hazardous reactions** Not available.
- 10.4 Conditions to avoid** None.
- 10.5 Incompatible materials** Strong acids, alkalis, and oxidising agents. Water-reactive products.
- 10.6 Hazardous decomposition products** Not available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met. ATE _{mix} (oral) > 2000 mg/kg; ATE _{mix} (dermal) > 2000 mg/kg. PHMB: fatal if inhaled.
Skin corrosion/irritation	Based on available data, the classification criteria are not met. Contains irritating or corrosive substances at 1% or less.
Serious eye damage/irritation	Based on available data, the classification criteria are not met. Contains irritating or corrosive substances at 1% or less.
Respiratory or skin sensitisation	Based on available data, the classification criteria are met for Skin Sensitisation Category 1 (may cause an allergic skin reaction). Lauryl betaine: positive in an <i>in vitro</i> skin sensitisation test (h-CLAT; method OECD 442E).

Germ cell mutagenicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
Carcinogenicity	Based on available data, the classification criteria are not met. PHMB: suspected of causing cancer.
Reproductive toxicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
STOT-single exposure	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
STOT-repeated exposure	Based on available data, the classification criteria are not met. PHMB: causes damage to respiratory tract via inhalation through prolonged or repeated exposure.
Aspiration hazard	Based on available data, the classification criteria are not met. Product is an aqueous solution.

11.2 Information on other hazards

Not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	Based on available data, the classification criteria are not met. Product is a biocidal product. Contains very toxic ingredients at 1% or less.
12.2 Persistence and degradability	Laryl betaine, DDAC, BAC: readily biodegradable. CHDG: poor biodegradability.
12.3 Bioaccumulative potential	DDAC: not bioaccumulative based on $\log K_{ow} < 3$. CHDG: low potential for bioconcentration and bioaccumulation in aquatic or terrestrial organisms. BAC: low bioaccumulation potential based on bioaccumulation factor of 79 in fish.
12.4 Mobility in soil	DDAC: K_{oc} at 20 °C, 562 314 (very strong sorption to soil).
12.5 Results of PBT and vPvB assessment	No ingredients have been identified with PBT or vPvB properties.
12.6 Endocrine disrupting properties	No ingredients have been identified with endocrine disrupting properties.
12.7 Other adverse effects	The mixture is not classified as hazardous to the ozone layer.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Small items may be suitable for disposed in landfill. Small amounts may be suitable for disposal via the drains. The product is water-based and may not be suitable for incineration.

Bulk disposal must be via licensed waste disposal sites in accordance with national and local regulations.

In a professional setting, chemical residues generally count as special waste, and their disposal may be regulated. General requirements are given in the EU Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC), or GB equivalent.

14. TRANSPORT INFORMATION

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14.1 UN Number	Not classified as dangerous goods for transport.
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	Not classified as marine pollutant/environmentally hazardous.
14.6 Special precautions for user	Not available.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

15. REGULATORY INFORMATION

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

UK: Control of Substances Hazardous to Health Regulations 2002 (COSHH), as amended.
COSHH Essentials: Easy Steps to Control Chemicals; HSE Books 2003 (also available on the HSE web site).
Workplace Exposure Limits EH40/2005 (Second edition, published 2011), Health and Safety Executive.

15.2. Chemical safety assessment

Not available.

16. OTHER INFORMATION

Revisions	This SDS is the 8 th version in Classification as hazardous according to Australian WHS regulation. And complies with EU format (Regulation 2020/878), using classification according to the CLP Regulation, or GB equivalent.
Abbreviations	ATE, acute toxicity estimate; DNEL, derived no-effect level; DMEL, derived minimum effect level; OECD, Organisation for Economic Co-operation and Development; PBT, persistent, bioaccumulative, and toxic; PNEC, predicted no-effect concentration; vPvB, very persistent, very bioaccumulative.
References	Search for chemicals; available at the European Chemicals Agency website: http://echa.europa.eu/ .
Basis of classification	The mixture is classified on the basis of available information on the ingredients.
List of hazard statements	H301: Toxic if swallowed; H302: Harmful if swallowed; 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; H330: Fatal if inhaled; H351: Suspected of causing cancer; H372: Causes damage to organs through prolonged or repeated exposure; 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.