SAFETY DATA SHEET

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

1.1 Product identifier

Trade names: AZOWIPE, AZOWIPE STERILE, AZOWIPE EQUIPMENT, AZOWIPETTE

Product codes: 81103, AZ250W, 81148, 81160, 81138, AZ250WCE, 81104, AZ150W, AZ100WNCE

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

Use of Substance / Preparation: Hard surface disinfectant wipes.
Disinfectant wipes for use on non-invasive medical devices [CE marked].

1.3 Supplier's details

Company name	Vernacare HCS Limited
Address	1 Western Avenue Matrix Park Chorley Lancashire PR7 7NB UK
Number	+44 (0) 1772 299900
Fax	+44 (0) 1772 299901
Email	raqa.hcs@vernacare.com

1.4 Emergency telephone number

+44 (0) 1772 299900

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1	**Classification of the substance or mixture**	
2.1.1	**Regulation (EC) No. 1272/2008 (CLP)**	Category 2, H225: Highly flammable liquid and vapour. Category 2, H319: Causes serious eye irritation. Category 3, H336: May cause drowsiness or dizziness.
2.1.2	**Directive 67/548/EEC & Directive 1999/45/EC**	R11: Highly flammable. R37: Irritant R67: Vapours may cause drowsiness and dizziness.
2.2	**Label elements**	
2.2.1	**Label elements**	According to Regulation (EC) No. 1272/2008 (CLP)
	GHS Product Identifier	AzoWipe

Hazard Pictogram(s)



Signal Word(s) Danger

Hazard Statement(s)
H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precautionary Statement(s)
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261: Avoid breathing vapours.
P264: Wash hands thoroughly after handling.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P403+P235: Store in a well ventilated place. Keep cool
P233: Keep container tightly closed.

2.3 Other hazards Not classified as PBT or vPvB.

3. COMPOSITION/INFORMATION ONINGREDIENTS

3.1 Mixtures

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	EC Classification (1272/2008)	EC Classification (67/548/EEC)
Propan-2-ol	70	67-63-0	200-661-7	Category 2, H225 Category 2, H319 Category 3, H336	F; R11 Xi; R36 R67

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If medical irritation persists get medical advice/attention.

Skin Contact: Wash skin with water.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Make victim drink plenty of water. Do not induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Water spray, dry powder or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Vapour may create explosive atmosphere.
Hazardous decomposition product(s): Carbon monoxide, Carbon dioxide

5.3 Advice for fire-fighters

Special protective equipment and precautions for fire fighters:

Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

Cool affected area quickly with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Provide adequate ventilation to avoid build up of vapours. Keep away from heat and sources of ignition. Avoid contact with eyes. Do not breathe mist/vapours/spray.

6.2 Environmental precautions

Small spillages: No special measures are required.

Large spillages: Do not discharge waste and/or cleaning water via public sewer system. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Allow small spillages to evaporate provided there is adequate ventilation.

Contain and adsorb large spillages onto an inert, non flammable adsorbent carrier. Transfer to a container for disposal or recovery.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice for safe handling: Keep container closed when not in use. Avoid contact with skin and eyes. Do not breathe vapour/spray. Ensure adequate ventilation.

Hygiene Measures: Wash hands before breaks and after work. Do not eat, drink or smoke at the work place.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool place.
Keep away from heat and sources of ignition.
Keep away from oxidising agents.

8. EXPOSURE CONTROLS/PERSONALPROTECTION

8.1 Control parameters

8.1.1 PNECs and DNELs **Propan-2-ol**

DNEL	Oral	Inhalation	Dermal
Industry - Long Term – Systemic effects	No data	500 mg/m^3	88 mg/kg/day
Consumer - Long Term - Systemic effects	26 mg/kg/day	89 mg/m^3	319 mg/kg/day

	PNEC
Water	140.9 mg/l
Soil	28 mg/kg

8.2 Exposure controls

8.2.1 Appropriate engineering controls None assigned

8.2.2 Personal protection equipment

Skin protection (Hand protection/ Other)



Gloves. Wash hands before breaks and after work.

Respiratory protection



In case of inadequate ventilation wear respiratory protection.

8.2.3 Environmental Exposure Controls Large spillages: Do not discharge waste and/or cleaning water via public sewer system. Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Propan-2-ol

Appearance — Moist wipe with colourless liquid

Colour.

Odour	Alcohol-like.
Odour Threshold (ppm)	No data
pH (Value)	Neutral
Melting Point (°C)	ca. -89.5 °C
Boiling point/boiling range (°C):	ca. -82 °C
Flash Point (°C)	ca. 12 °C
Evaporation Rate	No data
Flammability (solid, gas)	May form explosive mixture with air particularly in enclosed spaces.
Upper/lower flammability or explosive limits	ca. 12 % (V) / ca. 2 % (V)
Density (g/ml)	0.785 – 0.875 g/cm^3
Solubility (Water)	Completely miscible with water.
Partition Coefficient (n-Octanol/water)	Log Kow 0.05 (OECD)
Auto Ignition Point (°C)	ca. 425 °C
Decomposition Temperature (°C)	No data
Viscosity (mPa. s)	No data
Explosive properties	Not explosive
Oxidising properties	No data

9.2 Other information

No data

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	Reacts violently with - Acids. Oxidizing agents.
10.4 Conditions to avoid	Heat.
10.5 Incompatible materials	Strong oxidising agents. Acids.
10.6 Hazardous decomposition product(s)	Carbon dioxide, Carbon monoxide

11. STABILITY AND REACTIVITY

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity	LD50 5840mg/kg (rat)
Irritation	Skin. None known.
Corrosivity	Eyes. 13900 mg/kg (rabbit)
Sensitisation	None known.
Repeated dose toxicity	No data
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	No evidence of genotoxicity.
Toxicity for reproduction	No evidence of genotoxicity.

12. ECOLOGICAL INFORMATION

12.1	**Toxicity**	Fish. 9640 mg/l
12.2	**Persistence and degradability**	No data
12.3	**Bioaccumulative potential**	None known
12.4	**Mobility in soil**	The product is predicted to have high mobility in soil. (Propan-2-ol)
12.5	**Results of PBT and VPVB assessment**	Not classified as PBT or vPvB.
12.6	**Other adverse effects**	None known

13. DISPOSAL CONSIDERATIONS

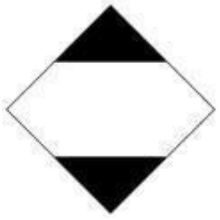
13.1	**Waste treatment methods**	Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Transport hazard class(es).

LQ (limited Quantities) refers to small receptacles (typically of the sort that go into the retail distribution chain) which are packed in boxes or on shrink-wrapped trays. The principle behind LQ is that an acceptable level of safety is assured providing the receptacles are in a box or shrink-wrapped tray. Subject to those conditions being met, no other requirements of ADR apply. The containers used for this material do not exceed maximum volume (I litre) for such limited quantities.

14.1	**UN Number**	3175
14.2	**Shipping Name**	Solids containing flammable liquid, N.O.S. (Propan-2-ol)
14.3	**Hazard Class for Transportation**	Class 4.1
14.4	**Packing Group**	II
14.5	**Environmental hazard**	Refer to section 12
14.6	**Special precautions**	Retain within shipper. Refer to section 7.2
14.7	**Bulk Transport**	In compliance to ADR, Jan 2013 there are requirements to mark certain transport units when carrying more than 8 tonnes of LQ packages; refer to symbol below.



15. REGULATORY INFORMATION

15.1	**Safety, health and environmental regulations/legislation specific for the substance or mixture**	
15.1.1	**EU regulations**	
	Authorisations and/or Restrictions On Use	92/85/EEC. 1907/2006/EC
15.1.2	**National regulations**	Observe Local Regulations.
15.2	**Chemical Safety Assessment**	No data

16. OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Hazard Statement(s)

R11: Highly flammable.
R37: Irritating to respiratory system.
R67: Vapours may cause drowsiness and dizziness.
S7: Keep container tightly closed.
S16: Keep away from sources of ignition - No smoking.
S51: Use only in well-ventilated areas.

Hazard Statement(s) and Precautionary Statement(s)

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233: Keep container tightly closed.

Additional Information

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