

## AZOSPRAY - SAFETY DATA SHEET

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

#### 1.1 Product identifier

Trade names: AZOSPRAY

Product Code/s: 81120

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

Use of Substance / Preparation: Hard surface disinfectant spray

#### 1.3 Supplier's details

**Company Name:** Vernacare Limited  
**Address:** 1 Western Avenue  
Matrix Park  
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PR7 7NB  
United Kingdom

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#### 1.4 Emergency telephone number

+44 (0) 1772 299900

### 2. HAZARDS IDENTIFICATION

#### 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.

## 2.2 Label elements

2.2.1 Label elements According to Regulation (EC) No. 1272/2008 (CLP)

GHS Product Identifier AZOSPRAY

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.  
EUH066: Repeated exposure may cause skin dryness or cracking.

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.  
P271: Use only outdoors or in a well ventilated area.  
P280: Wear protective gloves.  
P304+P340+P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if 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.  
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.  
P405: Store locked up.  
P501: Dispose of contents/container in accordance with local regulations.

## 2.3. Other hazards

Not classified as PBT or vPvB.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

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

## 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

**Suitable 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

**Firefighting instructions:**

Use self-contained breathing apparatus. Wear fire/flammable 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 buildup 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/PERSONAL PROTECTION

### 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 <sup>3</sup>	88 mg/kg/day
Consumer - Long Term - Systemic effects	26 mg/kg/day	89 mg/m <sup>3</sup>	319 mg/kg/day

	PNEC
Water	140.9 mg/l
Soil	28 mg/kg

### 8.2 Appropriate engineering controls

None assigned

### 8.3 Personnel 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.



### 8.4 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

Chemical properties	Propan-2-ol
Appearance / Colour	Liquid / Colourless
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 limit	ca. 12 % (V) / ca. 2 % (V)
Density (g/ml)	0.785 – 0.875 g/cm <sup>3</sup>
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



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

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

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	Biaccumulative potential:	None known
12.4	Mobility in soil:	The product is predicted to have high mobility in soil. (Propan-2-ol)
12.5	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

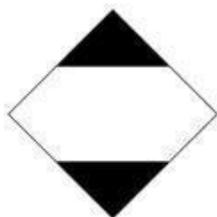
Disposal should be in accordance with local, state or national legislation.

## 14. TRANSPORT INFORMATION

### Transport hazard class(s).

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 (1 liter) for such limited quantities.

14.1	<b>UN Number</b>	1219
14.2	<b>Shipping Name</b>	Isopropanol (Isopropyl Alcohol)
14.3	<b>Hazard Class for Transportation</b>	Class 3
14.4	<b>Packing Group</b>	II
14.5	<b>Environmental hazard</b>	Refer to section 12
14.6	<b>Special precautions</b>	Retain within shipper. Refer to section 7.2
14.7	<b>Bulk Transport</b>	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	<b>EU regulations</b> 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

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