vernoncarus

SAFETY DATA SHEET: AZOWIPE/AZOWIPETTE/AZOWIPE EQUIPMENT/AZOWIPE CATERING		DOCUMENT REF: AZOWIPE.SDS
ISSUE NO. 12 DATE: 11/04/06	SIGNED: A Davies	POSITION: Group RA/QA Manager

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product names:
Azowipe, Azowipette, Azowipe Equipment*, Azowipe Catering.
Bactericidal wipes saturated with a 70% v/v solution of Isopropyl Alcohol BP for the disinfecting of clinical surfaces.
* For disinfecting only medical equipment and devices.

Company name:
Vernon- Carus Limited
1 Western Avenue
Matrix Park
Buckshaw Village
Chorley
Lancashire PR7 7NB

Emergency telephone number:
01772 299900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Wipes: Viscose rayon nonwoven bonded with a styrene butadiene copolymer.

Solution: 70% v/v solution of Isopropyl Alcohol BP (Propan-2-ol) in demineralised water.

3. HAZARDS IDENTIFICATION

Human health hazards: Narcotic at high vapour concentrations. Irritating to eyes.

Safety hazards: Highly flammable. In use, may form flammable/explosive vapour-air mixture.

Environmental hazards: Not classified as dangerous under EC criteria.

4. FIRST AID MEASURES

Eye contact: Irrigate thoroughly with water for at least 10 minutes. If persistent irritation occurs, obtain medical attention.

Skin contact: Avoid prolonged contact. Wash thoroughly with water, using soap if available. If persistent irritation occurs, obtain medical attention.

Inhalation: Remove to fresh air. If rapid recovery does not occur, obtain medical attention.

Ingestion: Do not induce vomiting. Wash out mouth thoroughly with water and give plenty of water to drink. Quantities of 150ml or more should be considered as potentially lethal and **IMMEDIATE** medical attention sought.

5. FIRE-FIGHTING MEASURES

Specific hazards: Hazardous combustion products may include carbon monoxide. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

Suitable extinguishing media: Alcohol resistant foam, water spray or fog. Carbon dioxide, dry powder, sand or earth may be used for small fires only.

Unsuitable extinguishing media: Water in a jet.

Protective equipment: Full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

If the liquid component is spilled, eliminate all possible sources of ignition; mop up with plenty of water and flush to waste with water. Ventilate area to dispel residual vapour and avoid contact with skin and eyes.

7. HANDLING AND STORAGE

Handling: Keep product upright. Keep away from ignition sources.

Storage: Store in a dry environment, away from direct sunlight.

Storage temperatures: Ambient.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

As appropriate to quantity handled.
Ventilation: When being used, area should be adequately ventilated.
PVC Gloves: Prevent defatting of the skin.
UK OES Long term exposure: 980 mg/m^3 or 400ppm
UK OES Short term exposure: 1225 mg/m^3 or 500ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Data for 100% Isopropyl Alcohol Solution:

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Melting temperature:	-90°C
Initial boiling point:	82°C
Final boiling point:	83°C
Density:	785 kg/m^3 @ 20°C
Vapour pressure:	4.3 kPa @ 20°C
Vapour density:	2.0 @ 20°C
Solubility in water:	Miscible in all proportions
Flash point:	12°C (Abel)
Explosion limits:	Lower 2% v/v Upper 12% v/v
Ignition temperature:	425°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Conditions to avoid: Heat, flames and sparks.

Substances to avoid: Strong oxidising agents, strong acids.

Hazardous decomposition products: None known

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11. TOXICOLOGICAL INFORMATION

Information for 100% Isopropyl Alcohol Solution:

Acute toxicity - oral:	LD50 > 2000mg/kg
Acute toxicity - dermal:	LD50 > 2000mg/kg
Acute toxicity - inhalation:	LD50 > 5mg/l
Eye irritation:	Slight irritant
Skin irritation:	Slight irritant
Respiratory irritation:	Irritant in animal studies
Skin sensitisation:	May cause skin sensitisation
(Sub)chronic toxicity:	Repeated exposure causes liver damage

12. ECOLOGICAL INFORMATION

Dissolves in water; lost within a day by evaporation and dissolution. Readily biodegradable oxidises rapidly by photochemical reactions in air. Does not bioaccumulate. Can pose a significant risk of oxygen depletion in aquatic systems if discharged in large volumes.

However no environmental hazard is anticipated with the small volumes associated with this product, provided that the product is handled and disposed of with due care and attention.

13. DISPOSAL CONSIDERATIONS

After all the wipes in a canister have been used, any small amount of residual liquid can be flushed to waste with water. The canister and lid can then be recovered and recycled according to current legislation.

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14. TRANSPORT INFORMATION

Data for 70% v/v Isopropyl Alcohol Solution:

UN Number:	1219
UN Class/Packing Group:	3/II
UN Proper shipping name:	ISOPROPANOL (isopropyl alcohol)
UN Number (sea transport, IMO):	1219
IMO Class/Packing Group:	3.2/II
IMO Symbol:	Flammable liquid
IMO Marine pollutant:	No
IMO Proper shipping name:	ISOPROPANOL (isopropyl alcohol)
ADR/RID Class/Item:	3/3(b)
ADR/RID Symbol:	Flammable liquid
ADR/RID Kemler Number:	33/1219
ADR/RID Proper Shipping Name:	ISOPROPYL ALCOHOL
UN Number (air transport, ICAO):	1219
IATA/ICAO Class/Packing Group:	3/II
IATA/ICAO Symbol:	Flammable liquid
IATA/ICAO Proper shipping name:	ISOPROPANOL (isopropyl alcohol)

15. REGULATORY INFORMATION

Information for 70% v/v Isopropyl Alcohol Solution:

EC Classification:	Highly flammable
EC Symbols:	F
EC Risk phrases:	R11 - Highly Flammable
EC Safety phrases:	S7- Keep container tightly closed S16 - Keep away from sources of ignition, no smoking

16. OTHER INFORMATION

MOST OF THE INFORMATION GIVEN IN THIS DOCUMENT RELATES TO THE LIQUID COMPONENT ISOPROPANOL (ISOPROPYL ALCOHOL), OF WHICH THERE IS VERY LITTLE SURPLUS IN THE PRODUCT.