



Complying to 91/155/EC, 93/112/EC

# Product Safety Data Sheet

## Vetasept Povidone-Iodine Alcoholic Tincture

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Vetasept Povidone-Iodine Alcoholic Tincture
<b>Product Code</b>	XHG 014    500ml XHG 013    5L
<b>Supplier</b>	Animalcare Ltd, Common Road, Dunnington, York, YO19 5RU, Telephone No. +44 (0) 1904 487687 Fax No.            +44 (0) 1904 487611 E-Mail: animalcare@animalcare.co.uk. Emergency Telephone +44 (0) 1904 487687 (daytime)

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### 2. COMPOSITION / INFORMATION ON COMPONENTS

<b>Dangerous ingredients</b>	<b>CAS No.</b>	<b>EINECS No.</b>
Industrial Methylated Spirit	64-17-5	200-578-6
<b>Other ingredients:</b>		
Providone-Iodine	25655-41-8	
Citric Acid	5949-29-1	2010691
Sodium Phosphate	7558-79-4	
Alkyl Phernol Ether Sulphate (ammonium salt)		

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### 3. HAZARDS IDENTIFICATION

Under normal conditions and use it is unlikely to cause any health hazard.

**Main Hazards:** Flammable.

**Human health hazards:** May cause irritation to eyes. May be harmful if swallowed. May be harmful by inhalation.

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#### 4. FIRST AID MEASURES

- Skin contact:** Wash skin with plenty of water in the case of accidental contact.
- Eye Contact:** Rinse thoroughly immediately with plenty of water for at least 15 minutes keeping eyelid open. Further treatment by eye doctor.
- Inhalation:** Remove from exposure. Keep warm and at rest. If there is any difficulty breathing give oxygen. Obtain medical attention.
- Ingestion:** Do not induce vomiting. Have patient drink plenty of water in small sips (for dilution). Obtain medical attention. In the case of overdose, gastric lavage with dilute starch mucilage or a 1% solution of sodium thiosulphate. The electrolyte balance should be corrected and lost fluids restored.
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#### 5. FIRE FIGHTING MEASURES

- Extinguishing Agents:** Water spray, fog or alcohol resistant foam.
- Unsuitable Agents:** Do not use water jet.
- Protective Equipment:** Wear self contained breathing apparatus for fire fighting.
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#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions;** Wear protective clothing.
- Environmental Precautions:** Try to prevent the material from entering drains or water courses. Obtain advice of the Local Authority or waste disposal company.
- Spillages:** Contain and absorb using earth, sand or other inert material. Dispose of absorbed material in accordance with Local Authority regulations.
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#### 7. HANDLING AND STORAGE

- Avoid eye contact.
- Storage area should be dry, well ventilated and away from sources of heat, ignition and direct sunlight.
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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**UK Occupational Exposure Standards:**

Data for iodine is given below:

UKEH40: OES 0.1ppm (1.1mg/m<sup>3</sup>) 15min STEL

Data for Industrial Methylated Spirit:

UKEH40: OES 1000ppm (1900mg/m<sup>3</sup>) 8hr TWA

**General Protection and Hygiene:** The usual precautionary measures for dealing with chemicals should be observed. No eating, drinking, smoking or snuffing tobacco at work. Wash face and/or hands before break and end of work. Avoid contact with skin, eyes and clothing.

**Respiratory Protection:** If there is a risk of exposure to high vapour concentrations.

**Eye protection:** Chemical goggles

**Body protection:** Wear suitable protective clothing.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid	<b>Colour:</b>	Brown
<b>Odour:</b>	Alcoholic	<b>Vapour Pressure:</b>	Approximately 20 mBar
<b>Viscosity:</b>	35cPs (Brookfield Viscometer spindle 2, speed 100)		
<b>Solubility:</b>	Freely soluble in water	<b>Density:</b>	1.035 to 1.055 at 20°C
<b>pH Value:</b>	3.0 to 5.5	<b>Flashpoint:</b>	Approximately 32°C

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### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous decomposition products:** Combustion will generate oxides of carbon. Avoid light effect/sun rays.

**Hazardous reactions:** Avoid oxidising and reducing agents, (may be slight reactions with metals).



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### 11. TOXICOLOGICAL INFORMATION

**Toxicological properties:**

**Oral:** May be harmful

LD50 (rat) 6g/kg (Povidone Iodine)

LD50 (rat) 5g/kg (Citric Acid)

LD50 (rat) 7.4g/kg (Sodium Phosphate)

LD50 (rat) 6.2 to 17.8 g/kg (Industrial Methylated Spirit)

**Dermal:** Unlikely to cause irritation.

**Inhalation:** Harmful

**Permissible concentrations (Air):**

UKEH40: OES 1000ppm (1900mg/m<sup>3</sup>) 8hr TWA (Industrial Methylated Spirit)

UKEH40: OES 0.1ppm (1.1mg/m<sup>3</sup>) 15min STEL (Iodine)

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### 12. ECOLOGICAL INFORMATION

**Povidone Iodine:**

**Bio-accumulation:** Degree of elimination < 20% - hard to eliminate.

**Environmental fate:** No data.

**Excotoxic Effects:** Toxicity to fish: LC50 (96h) 4.6 – 10mg/l (Leuciscus idus)

No observed effect concentration; 4.6mg/l

EC/LCO (48h): 5mg/l

Toxicity to bacteria: Pseudomonas putida.

EC/LC10 (17h): 270mg/l

EC/LC50 (17h): 380mg/l

EC/LC90 (17h): 480mg/l

Toxic limit concentration 270mg/l

**Alkyl Phenol Ether Sulphate:**

Bio-accumulation: < 80% biodegradable.

**Citric Acid:**

Ecotoxic Effect: LC50 (96h) 135mg/l (Bluegill)

(100h) 625mg/l not lethal (Goldfish)

**Sodium Phosphate** May act as a plant nutrient or precipitate metals.

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### Industrial Methylated Spirit

Bio-accumulation: Completely biodegradable  
Ecotoxic Effects: Toxicity to fish; LC50 (48h) > 9000mg/l  
Toxicity to Daphnia; LC50 (48h) > 8000mg/l  
Toxicity threshold concentration 5000mg/l (algae)  
Bacterial inhibition tests show that the material is not inhibitory to biomass.

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### 13. DISPOSAL CONSIDERATIONS

**Product Disposal:** Dispose of in accordance with the regulations issued by the appropriate local authorities.  
**Container Disposal:** Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be disposed of by land fill or incinerated as appropriate. Do not incinerate closed containers.

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### 14. TRANSPORT INFORMATION

**UK transport information:** Proper shipping name:- Ethanol > 30%  
**Other information:** No data available

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### 15. REGULATORY INFORMATION

**Classification:** Flammable  
**Labelling:** Flammable  
**Symbol(s):** No symbol required

**R-Phrases:** R20/22 Harmful by inhalation and if swallowed.  
R36 Irritation to eyes.

**S-Phrases:** S1/2 Keep locked up and out of reach of children.  
S7 Keep containers tightly closed.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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### 16. OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.

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