

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006  
Print Date 01.10.2015

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : Iodine 10%

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

Identified uses : Commodity antiseptic - Umbilical treatment

#### 1.3 Details of the supplier of the safety data sheet

Company : Vet-Way Ltd,  
1 Harrier court  
Airfiled Business Park  
Elvington  
York  
YO41 4EA  
UNITED KINGDOM

Telephone : +44 (0)1904 607600

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Flam. Liq. 2 - H225

**Most important adverse effects:** Eye Irritant 2 - H319 STOT RE - H373

#### 2.2 Label elements

**Hazard statements:** H225: Highly flammable liquid or vapour

H319: Causes serious eye irritation

H373: May cause damage to organs through prolonged or repeated exposure

**Signal words:** Danger

**Hazard Pictograms:** GHS02: Flammable

GHS07: Exclamation mark

GHS08: Health hazard





**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 Keep container tightly closed

P240 Ground/bond container and receiving equipment

P241 Use explosion-proof electrical equipment

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge

P260 Do not breathe vapour/spray

P264 Wash contaminated skin thoroughly after handling

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use foam, carbon dioxide, dry powder and water fog to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool

P501 Dispose of contents/container in accordance with national regulations

Contains: iodine, potassium iodide

**2.3 Other hazards - None known**

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**SECTION 3: Composition/information on ingredients**

**Hazardous Ingredients:**

**ETHANOL:**

EINECS: 200-578-6

CAS: 64-17-5

CLP CLASSIFICATION: Flam. Liq. 2 - H225, Eye Irrit. 2 - H319

PERCENT: 60-100%

**IODINE**

EINECS: 231-442-4

CAS: 7553-56-2

CLP CLASSIFICATION: Acute Tox. 4: H302, H312, H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335, STOT RE 1 - H372

PERCENT: 5-10%

**POTASSIUM IODIDE:**

EINECS: 231-659-4

CAS: 7681-11-0

CLP CLASSIFICATION: STOT RE 1 - H372

PERCENT: 5-10%

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## **METHANOL**

EINECS: 200-659-6

CAS: 67-56-1

CLP CLASSIFICATION: Flam. Liq. 2 - H225, Acute Tox. 3: H301, H311, H331, STOT SE 1 - H370

PERCENT: 1-5%

## **AMINES, C10-C-16 ALKYL DERIVITIVES REACTION PRODUCTS WITH CHLOROACETIC ACID**

M FACTOR (ACUTE): 1

CAS: 139734-65-9

CLP CLASSIFICATION: Acute Tox. 4: H302, Skin Corr. 1C - H314, Eye Dam 1 - H318, Aquatic Acute 1 - H400

PERCENT: <1%

For full text for all R-Phrases and Hazard Statements see Section 16.

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General advice**

First Aiders should wear appropriate protective equipment during any rescue

#### **If inhaled**

IF INHALED: Remove affected person from source of contamination. Get medical attention immediately.

#### **In case of skin contact**

Remove all contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

#### **In case of eye contact**

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

#### **If swallowed**

Rinse nose and mouth with water. Get medical attention immediately.

### **4.2 Most important symptoms and effects, both acute and delayed**

**General information:** The severity of the symptoms described will very dependant on the concentration and the length of exposure

**Skin contact:** May cause skin irritation.

**Eye contact:** Causes serious eye irritation. Symptoms following over exposure may include the following: Irritation and redness, followed by blurred vision.

**Ingestion:** May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

**Inhalation:** Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Severe lung irritation.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Notes for doctor: treat symptomatically.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media:**

Extinguish with alcohol resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, this will spread the fire.

### **5.2 Special hazards arising from the substance or mixture**

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**Exposure Hazards:** The product is flammable

**Hazardous combustion products:** Toxic and corrosive gases or vapours.

## 5.3 Advice for firefighters

Evacuate area. Containers close to fire should be removed or cooled with water.

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## 5.4 Further information

no data available

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this Safety Data Sheet.

### 6.2 Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering the drains, sewers or watercourses.

### 6.3 Methods and materials for containment and cleaning up

Absorb spillage with non-combustible, absorbant material. Collect and place in suitable waste disposal containers and seal securely. Rinse contaminated area with plenty of water (or 5% solution of sodium thiosulphate or bisulphite - if available)

### 6.4 Reference to other sections

For disposal see section 13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For personal protection, see section 8. Take precautionary measures against static discharge.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

Storage class - Flammable liquid storage.

### 7.3 Specific end use(s)

The identified uses for this product are detailed in section 12.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Components with workplace control parameters:**

**ETHANOL** - Long term exposure limit (8 hour TWA): WEL 1920mg/m<sup>3</sup>

**IODINE** - Short term exposure limit (15 minute): WEL 1.1 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**Exposure controls**

**Appropriate engineering controls**

This product must not be handled in a confined space without adequate ventilation

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## Personal protective equipment

### Eye/face protection

Wear chemical splash goggles.

### Skin protection

Wear protective gloves made of the following material@ Polytetrafluoroethylene (PTFE, Teflon). Polyvinyl chloride (PVC). Rubber (natural, latex).

### Body Protection

Wear apron or protective clothing in case of contact.

### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicated inhalation of contaminants is possible.

### Hygiene measures

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and wash skin thoroughly with soap and water after work.

### Environmental exposure controls.

Keep container tightly sealed when not in use.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	Liquid, dark brown
b) Odor	Alcoholic, pungent
c) Odor Threshold	no data available
d) pH	12
e) Relative density	0.96g/ml
f) Water solubility	miscible with water
g) Partition coefficient: n-octanol/water	no data available
h) Auto-ignition temperature	no data available
i) Decomposition temperature	no data available

j) Viscosity no data available



k) Explosive properties no data available

l) Oxidizing properties no data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3 Possibility of hazardous reactions

Flammable/combustible materials

### 10.4 Conditions to avoid

Containers can burst violently or explode when heated, due to excessive pressure build-up. Avoid heat, flames and other sources of ignition.

### 10.5 Incompatible materials

Avoid contact with the following materials. Reducing agents. Alkali metals.

### 10.6 Hazardous decomposition products

Very toxic gases or vapours. Hydrogen Iodide (HI) and Iodine (I)

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**ATE oral (mg/kg) 24549.37**

**ATE dermal (mg/kg) 6533.63**

**ATE inhalation (vapours mg/l) 144.06**

**ATE inhalation (dusts/mists mg/l) 16.3**

#### Skin corrosion/irritation

This product is strongly irritating. May cause sensitisation or allergic reactions in sensitive individuals. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

#### Serious eye damage/eye irritation

A single exposure may cause the following adverse effects. Severe irritation, burning, tearing and blurred vision. Pain and redness.

#### Respiratory or skin sensitisation

Vapour may irritate respiratory system/lungs.

#### Ingestion

Gastrointestinal symptoms, including upset stomach. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

**Delayed/ immediate:** Prolonged and repeated exposure can lead to health conditions including goiter and hyperthyroidism.



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## SECTION 12: Ecological information

### 12.1 Toxicity/ Ecotoxicity

Dangerous for the environment if discharged into watercourses.

### 12.2 Persistence and degradability

The degradability of this product is not known.

### 12.3 Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4 Mobility in soil

The product is miscible with water and may spread into water systems.

### 12.5 Results of PBT and vPvB assessment

Not known

### 12.6 Other adverse effects

no data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal authority. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

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## SECTION 14: Transport information

### UN number

UN no 1993

**UN proper shipping name FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ALCOHOL)**

## SECTION 14: Transport information

### 14.1 UN number:

Un number 1993

### 14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S (CONTAINS ETHYL ALCOHOL)

### 14.3 Transport hazard class

Class 3

Classification code F1

### 14.4 Packing group

II

### 14.5 Environmental hazards

**Environmentally hazardous substance/marine pollutant - NO**

### 14.6 Special precautions for user

EmS: F-E, S-E

ADR transport category: 2

Emergency Action Code: 3YE

Hazard Identification number: 33

Tunnel restriction code: (D/E)



**14.7 Transport in bulk according to Annex II of MARPOL and the IBC code**  
Not applicable

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended)

Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended)

Dangerous Preparations Directive 1999/45/EC

Dangerous Preparations Directive 1999/45/EC

**15.2 Chemical Safety Assessment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

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**SECTION 16: Other information**

**Further information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

\*indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:**

- H225 Highly flammable liquid and vapour
- H301: Toxic if swallowed.
- H302: Harmful if swallowed
- H311: Toxic in contact with skin
- H312: Harmful in contact with skin
- H314: Causes severe skin burns and eye damage
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H319: Causes serious eye irritation
- H331: Toxic if inhaled
- H332: Harmful if inhaled
- H335: May cause respiratory irritation
- H370: Causes damage to organs
- H372: Causes damage to organs (Thyroid) through prolonged or repeated exposure
- H372: Causes damage to organs (Thyroid) through prolonged or repeated exposure if swallowed
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.