



## SAFETY DATA SHEET

(conforming to Regulation (EC) No 1907/2006, as amended)

### Alcohol Sachets

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

##### 1.1 Product Identifier

Product Name	Alcohol Sachets
Product Code	XP00110 XP00134 XP00139 XP00196 XP00206 XP00293 XP00302 XP00332 XPB05505 XPD24100
Product type	Medical device
Ref No.	4054X

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

Identified uses	Disinfectant for Medical Devices
Uses advised against	Use around the eye area.

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

Supplier	PDI Ltd Aber Park Flint Flintshire CH6 5EX United Kingdom  Tel: +44 (0) 1352 736700 Fax: +44 (0) 1352 736701
Contact person:	<a href="mailto:sales@pdi-hc.co.uk">sales@pdi-hc.co.uk</a>

#### 1.4 Emergency telephone number

+44 (0) 1352 736700 (0900-1700 UK time)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### 2.1 Classification of the substance or mixture

H2: Physical Hazards;  
H3: Health Hazards;  
H4: Environment Hazards (N/A)



##### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Repeated Exposure may cause skin dryness or cracking	- HUH066
Flammable Liquid 2	- H225
Serious Eye Irrit. 2	- H319
May cause drowsiness or dizziness	- H336, STOT Single 3

##### 2.1.2 Additional information

None

#### 2.2 Label elements

<b>SYMBOLS</b>		
<b>Signal Word</b>	<b>DANGER</b>	
<b>Hazard Statements</b>		
<b>H225</b>	Highly flammable liquid and vapour	
<b>H319</b>	Causes serious eye irritation	
<b>H336</b>	May cause drowsiness or dizziness	
<b>HUH066</b>	Repeated exposure may cause skin dryness or cracking	
<b>Precautionary Statements</b>		
<b>P280</b>	Wear protective gloves/protective clothing	
<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces – No Smoking	
<b>P235</b>	Keep Cool.	
<b>P302+P350</b>	IF ON SKIN: Wash with plenty of soap and water.	
<b>P305+P351+P338+P313</b>	IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses; if present and easy to do so. Continue rinsing. Get medical advice/attention.	
<b>P501</b>	Dispose of contents/container in accordance with local/regional/national regulation.	

#### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be PBT or vPvB.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**Description of the mixture:** Contains dual quaternary amines, stabilised when impregnated on wipe.

A mixture of Propanol-2-ol and dual cationic surfactants.

**Hazardous ingredients:**

CAS No.	EC No.	% (W/W)	Name	Classification according to Regulation (EC) No. 1278/2008 (CLP) Raw Ingredients	Classification according to 67/548/EEC
67-63-0	200-661-7	50 - 80%	Propan-2-ol	.H226 Flammable liquid and vapour Cat.1 .H319 Causes serious eye irritation .Vapours may cause drowsiness or dizziness	. Flammable

The Full text for all R-Phrases and Hazards Statements are stated in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

**General :**

As product consists of sachets of applicator material impregnated with small amounts of liquid and contained in sealed sachets, any harmful exposure should be limited.

**Inhalation :**

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.

**Ingestion :**

Wash out mouth with water. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

**Skin contact :**

If skin contact is prolonged, redness or irritation may be experienced. Wash affected areas with soap and water. If effects persist seek medical advice. In the event of any complaints or symptoms, avoid further exposure.

**Eye contact :**

Wash out eye cautiously with copious amounts of water, holding the eye lid open, continue for 15 minutes. Remove contact lenses if present and easy to do so – continue rinsing. If any irritation persists, seek medical advice.

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

### **Over-exposure signs/symptoms**

#### **Inhalation :**

Unlikely to occur unless accidentally during use wipe may cause signs of inhalation. Get medical attention if discomfort continues.

#### **Ingestion :**

Unlikely to be a route of exposure but should it occur rinse out mouth with water. Do not induce vomiting. Obtain medical advice.

#### **Skin :**

Advised to wear gloves during used. However, if irritation occurs rinse immediately with plenty of water. Remove contaminated clothing. Contact physician if irritation persists.

#### **Eyes :**

Wash out eye cautiously with copious amounts of water, holding the eye lid open, continue for 15 minutes. Remove contact lenses if present and easy to do so – continue rinsing. If any irritation persists, seek medical advice.

#### **Notes to physician :**

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if unconsciousness appears with a user due to ingested or inhaled. Show this Safety Data Sheet to the doctor in attendance.

#### **Protection of first aid personnel**

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No recommendation given. If any effects persist obtain medical advice.

## **SECTION 5: FIRE FIGHTING MEASURES (for bulk quantities)**

### **5.1 Extinguishing media**

**Suitable :** This product is flammable. Use water spray, fog or foam, dry chemical, CO<sub>2</sub>. Use an extinguishing agent suitable for the surrounding fire.

**Not suitable :** Do not use a solid water stream as it may scatter and spread fire.

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

In a fire or if heated and in presence on air will increase fire. Prevent run off water from extinguishing media entering the sewers or water courses.

#### **Hazardous thermal decomposition products**

In combustion emits toxic fumes; may liberate carbon oxides and other toxic gases or vapours.

### **5.3 Advice for fire fighters**

#### **Special precautions for fire-fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Prevent run off water from extinguishing media entering the sewers or water courses.

#### **Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency Procedures**

Contain spillage in suitable container(s) for examination and possible return to stock.

Unless packaging is broken, no eye/skin protection should be required.

If packaging is broken and continuous handling necessary, then approved eye protection must be worn and gloves/protective clothing are recommended.

If disposal is required, local/national regulations/guidelines should be adhered to.

Product must be disposed of as Hazardous Waste.

Avoid breathing any vapour or mist.

Wear appropriate personal protective equipment (see section 8).

### **6.2 Environmental precautions**

Avoid dispersal of spilled material from entering the sewers or water courses.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Use in well ventilated areas.

Avoid breathing vapours.

Wear protective gloves when using the wipe.

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

Store product in accordance with local regulations. Store in original packs protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep sachets sealed until ready for use. Use appropriate containment to avoid environmental contamination.

Storage temperature : 0°C to 25°C

### **7.3 Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Components with workplace control parameters**

Ingredient

Propan-2-ol      WEL: Long term exposure limit (8hrs) 400ppm (999mg/m<sup>3</sup>)  
Short term exposure limit (15 mins) 500ppm (1250mg/m<sup>3</sup>)

WEL = Workplace Exposure Limit

### **8.2 Exposure Controls**

#### **Hand protection**

Protection should be used for prolonged or repeated skin contact, use suitable protective gloves. Disposable gloves are recommended, butyl or nitrile disposable gloves. Prolonged contact can cause skin to dry and initiate irritation.

#### **Respiratory protection/equipment**

Not necessary in normal use.

#### **Eye protection.**

Not necessary in normal use. If splashes are likely to occur, wear safety glasses.

#### **Hygiene Measures**

When in contact do not eat, drink or smoke. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Use appropriate cream to prevent drying of skin.

#### **Environmental Exposures Controls**

Avoid release to the environment. Users should be aware of environmental considerations and their duties under environmental protection act. Further information may be found on Government websites: [www.dti.gov.uk/access/index/htm](http://www.dti.gov.uk/access/index/htm) and [www.envirowise.gov.uk](http://www.envirowise.gov.uk).

#### **Derived No-Effect Levels' (DNEL's) and Predicted No-Effect Concentrations' (PNEC's)**

**DNELS** No information available.

**PNECS** No information available.

#### **Hygiene measures :**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye and face protection (EN 166)** : No special protective equipment is required.

**Skin and body protection (EN 14605)** : No special protective equipment is required.

**Hand protection (EN374)** : No special protective equipment is required.

**Respiratory protection** : None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information.

**Environmental exposure controls**

**General advice** : Consider the provision of containment around storage vessels.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.0 Information on basic physical and chemical properties

<b>Appearance</b>	White non-woven substrate dosed with liquid
<b>Physical state</b>	Clear colourless liquid provided as:
<b>Colour</b>	Liquid adsorbed on suitable wipes
<b>Odour</b>	Alcoholic
<b>Odour threshold</b>	Not applicable and/or not determined for the mixture
<b>pH</b>	Not applicable and/or not determined for the mixture
<b>Initial boiling point and boiling range</b>	Not applicable and/or not determined for the mixture
<b>Flash point</b>	Not applicable and/or not determined for the mixture
<b>Evaporation rate</b>	Not applicable and/or not determined for the mixture
<b>Flammability</b>	Flammable
<b>Explosion limits</b>	Not applicable and/or not determined for the mixture
<b>Upper</b>	
<b>Lower</b>	
<b>Vapour pressure</b>	Not applicable and/or not determined for the mixture
<b>Vapour density</b>	Not applicable and/or not determined for the mixture
<b>Relative density</b>	0.872 - 0.883 @ 20°C
<b>Solubility</b>	Highly soluble and miscible in water

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Reacts with strong oxidising agents and acids.

### 10.2 Chemical stability

The product is stable under normal conditions of storage and use.

### 10.3 Possibility of hazardous reactions

None known.

#### **10.4 Conditions to avoid**

Avoid exposure to heat, sparks, naked flames and other sources of ignition.

#### **10.5 Incompatible materials**

Strong oxidising agents and acids.

#### **10.6 Hazardous decomposition products**

Combustion may liberate carbon oxides.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **11.1 Information on toxicological effects**

General Information:

##### **a) Acute toxicity**

###### **Oral**

Ingestion of liquid may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

###### **Dermal**

Repeated exposure may cause skin dryness or cracking.

###### **Inhalation**

Inhalation of high concentrations of vapour or mist may cause irritation to the respiratory tract, headaches, dizziness, nausea, vomiting.

###### **Other routes**

No data.

##### **(b) Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

##### **(c) Serious eye damage/irritation**

Causes serious eye irritation.

##### **(d) Respiratory or skin sensitization**

Vapours may cause drowsiness or dizziness.

##### **(e) Germ cell mutagenicity**

Based on the available data on component substances, the classification criteria for germ cell mutagenicity is not met.

**(f) Carcinogenicity**

Based on the available data on component substances, the classification criteria for carcinogenicity is not met.

**(g) Reproductive toxicity**

Based on the available data on component substances, the classification criteria for reproductive toxicity is not met.

**(h) STOT-single exposure**

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of single exposure is not met.

**(i) STOT-repeated exposure**

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of repeated exposure is not met.

**(j) Aspiration hazard**

Based on the available data on component substances, the classification criteria for aspiration hazard is not met.

**Other information**

No applicable toxicity data. No known significant effects or critical hazards.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No direct testing has been carried out on the finished product but based on the ingredients, no harmful effects on the environment would be expected.

The following information is based on that obtained on testing of the main ingredient (Propan-2-ol)

**Toxicity**

Acute Toxicity – Fish	LC50 48 hours > 100mg/l <i>Leuciscus idus</i> (Golden orfe)
Acute toxicity – Aquatic Invertebrates	EC50 48 hours > 100mg/l <i>Daphnia magna</i>
Acute toxicity – Aquatic plants	EC50 72 hours > 100mg/l <i>Scenedesmus subspicatus</i>

The amount of mixture obtained from wipes would be negligible to cause any hazards unless it is disposed in large quantities into rivers, waters, and environment.

**12.2 Persistence and degradability**

The product does not contain any PBT or vPvB substances.

**12.3 Bioaccumulative potential**

There is data on the degradability of this product. The surfactant(s) contained in this preparation comply with Detergent Regulation (EC) 648/2004; and readily biodegradability resulting to >90%.

## 12.4 Mobility in soil

The liquid is water soluble, however the amounts of liquid involved will not present any problems.

**12.5 Other adverse effects :** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### General Information:

Do not discharge into drains, water courses or onto the ground.

#### Methods of disposal :

The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Product** : Do not flush to sanitary sewer.

**Contaminated packaging** : Dispose of in accordance with local, state, and federal regulations.

**Hazardous waste** : The classification of the product meets the criteria for hazardous waste.

## SECTION 14: TRANSPORT INFORMATION

### Land transport (ADR/ADN/RID) & Air transport (IATA)

**14.1 UN number** : 1325

**14.2 UN proper shipping name** : FLAMMABLE SOLID, ORGANIC N.O.S.  
(contains ISOPOPANOL)

**14.3 Transport hazard class(es)** : Class 4.1

**14.4 Packing group** : II

**NB** Limited quantity exemptions apply

**14.5 Environmental hazards** : Not dangerous goods

**14.6 Special precautions for user** : Not dangerous goods

### Sea transport (IMDG/IMO)

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** : Not applicable

## **SECTION 15: REGULATORY INFORMATION**

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

#### **Environmental**

Environmental Protection Act 1990 (and amendments)  
Hazardous Waste Regulations 2005 (and amendments)

#### **EU Regulations / Directives**

Biocidal Product Regulation (BPR, Regulation (EU) 528/2012)  
EC Directive 93/42/EEC (and amendments) concerning medical devices.  
Regulation (EC) No 1907/2006 (and amendments) Registration, Evaluation, Authorisation and Restriction of Chemicals – REACH.  
Regulation (EC) No 1272/2008 (and amendments) Classification, Labelling and Packaging Regulations (applies to ingredients only) – CLP.  
Road Transport Regulations ADR.  
COSHH – Control of Substances Hazardous to Health Regulations 2002 (as amended).

### **15.2 Chemical safety assessment**

A chemical safety assessment has been carried out on the main ingredient of the product (propan-2-ol). 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.

## **SECTION 16 OTHER INFORMATION**

#### **Other abbreviations**

PBT : Persistent, bioaccumulative and toxic.  
vPvB : Very persistent and very bioaccumulative.

***Safety Data Sheet compiled according to Regulation (EC) No. 1907/2006, as amended***

#### **Notice to readers**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text