

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Safe R Wipes**      **No Change Service!**

Version 03.01

Revision Date 04.03.2014

Print Date 12.06.2015

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

### 1.1 Product identifier

Trade name : Safe R Wipes

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

Use of the Substance/Mixture : Disinfectants, Medical device

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

Manufacturer/ Supplier : DE Healthcare Ltd.

Unit 9, Kingsthorpe Business Centre  
Studland Road, Kingsthorpe,  
Northampton NN2 6NE

Contact person : Information: Tel: 1-800-472-4346  
International: Tel: 001 703-527-3887  
UK TEL: +44 (0) 1634/ 878750  
UK FAX: +44 (0) 1634/ 878751

### 1.4 Emergency telephone number

Emergency telephone number : Chemtrec US (800)-424-9300

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids , Category 3	H226: Flammable liquid and vapour.
Serious eye damage , Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure , Category 3	H336: May cause drowsiness or dizziness.

#### Classification (67/548/EEC, 1999/45/EC)

Irritant	R10: Flammable.
	R36: Irritating to eyes.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.

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	H336	May cause drowsiness or dizziness.
Precautionary statements	: P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P280	Wear eye protection/ face protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P501	Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). Has a degreasing effect on the skin.

## SECTION 3: Composition/information on ingredients of the active solution

### 3.2 Mixtures

Chemical nature : Aqueous, alcohol containing solution on non-woven

#### Hazardous components

Chemical Name	Index-Number CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Propan-1-ol	603-003-00-0 71-23-8 200-746-9 01- 2119486761- 29-XXXX	F; R11 Xi; R41 R67	Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336	35 %
Ethanol	603-002-00-5 64-17-5 200-578-6 01- 2119457610- 43-XXXX	F; R11	Flam. Liq. 2; H225 Eye Irrit. 2; H319	25 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

If inhaled : If symptoms persist, call a physician.

In case of skin contact : Wash with water and soap as a precaution.  
If skin irritation persists, call a physician.

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In case of eye contact                   : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

Symptoms                                   : Treat symptomatically.

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

Treatment                                 : For specialist advice physicians should contact the Poisons Information Service.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media       : Dry powder, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Water spray jet

Unsuitable extinguishing media     : Foam

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

Specific hazards during firefighting   : Cool closed containers exposed to fire with water spray.

Specific risk from the substance or the product itself, its combustion products or evolved gases       : No special risks known.

### 5.3 Advice for firefighters

Special protective equipment for firefighters   : In the event of fire, wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

Personal precautions                   : Remove all sources of ignition. Avoid contact with eyes.

### 6.2 Environmental precautions

Environmental precautions           : No special environmental precautions required.

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

Methods for cleaning up               : Use mechanical handling equipment.

### 6.4 Reference to other sections

see Section 8 + 13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Wear personal protective equipment.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.

Hygiene measures : Keep away from food and drink.

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

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Keep container tightly closed.  
Keep away from direct sunlight.  
Recommended storage temperature: 15 - 25°C

Advice on common storage : Keep away from food and drink.

### 7.3 Specific end use(s)

Specific use(s) : none

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Ethanol	64-17-5	Permissible exposure limit	500 ppm 960 mg/m <sup>3</sup>	TRGS 900
Ethanol	64-17-5	Ceiling Limit Value	1.000 ppm 1.920 mg/m <sup>3</sup>	TRGS 900
Ethanol	64-17-5	Permissible exposure limit	1.000 ppm 1.900 mg/m <sup>3</sup>	OSHA
Propan-1-ol	71-23-8	Permissible exposure limit	200 ppm 500 mg/m <sup>3</sup>	OSHA

#### Derived No Effect Level (DNEL)

Propan-1-ol : End Use: Workers, Exposure routes: Skin contact, Potential health effects: Long-term exposure, Systemic effects, Value: 136 mg/kg

End Use: Workers, Exposure routes: Inhalation, Potential health effects: Long-term exposure, Systemic effects, Value: 268 mg/kg

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End Use: Workers, Exposure routes: Inhalation, Potential health effects: Short-term exposure, Systemic effects, Value: 1723 mg/kg

## Predicted No Effect Concentration (PNEC)

Propan-1-ol : Fresh water, Value: 10 mg/l

Marine water, Value: 1 mg/l

Soil, Value: 2,2 mg/l

Marine sediment, Value: 2,28 mg/kg

Fresh water sediment, Value: 22,8 mg/kg

Effects on waste water treatment plants, Value: 86 mg/l

Intermittent use/release, Value: 10 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Hand protection : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>120 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

Protective measures : Avoid contact with eyes.

### Environmental exposure controls

General advice : No special environmental precautions required.

## SECTION 9: Physical and chemical properties of the active solution

### 9.1 Information on basic physical and chemical properties

Appearance : liquid  
Colour : colourless  
Odour : alcohol-like  
Flash point : 27 °C, DIN 51755 Part 1  
Ignition temperature : Propan-1-ol: 412 °C  
Ethanol: > 360 °C  
Auto-ignition temperature : not applicable  
Lower explosion limit : Propan-1-ol: 2,1 %(V)  
Ethanol: 3,1 %(V)  
Upper explosion limit : Propan-1-ol: 17,5 %(V)  
Ethanol: 15 %(V)  
Flammability : Sustains combustion  
Explosive properties : Not explosive  
Oxidizing properties : not applicable  
pH : ca. 6, 20 °C, concentrate  
solidification range : < -5 °C

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Decomposition temperature	no data available
Melting point/freezing point	< -5 °C
Boiling point/boiling range	: ca. 80 °C
Vapour pressure	: ca. 50 hPa, 20 °C
Relative vapour density	: no data available
Density	: ca. 0,89 g/cm <sup>3</sup> , 20 °C
Water solubility	: in all proportions, 20 °C
Viscosity, dynamic	: not determined
Flow time	: < 15 s at 20 °C, DIN 53211
Evaporation rate	: no data available

## 9.2 Other information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

None reasonably foreseeable.

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Strong acids and oxidizing agents

### 10.6 Hazardous decomposition products

None reasonably foreseeable.

## SECTION 11: Toxicological information of the active solution

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### **Propan-1-ol:**

Acute oral toxicity	: LD50: > 2000 mg/kg, rat
Acute inhalation toxicity	: LC50: 33,8 mg/l, rat
Acute dermal toxicity	: LD50: > 4000 mg/kg, rabbit

##### **Ethanol:**

Acute oral toxicity	: LD50: 8300 mg/kg, mouse
Acute inhalation toxicity	: LC50: 39 mg/l, 4 h, mouse
Acute dermal toxicity	: LD50: 20000 mg/kg, rabbit

#### Skin corrosion/irritation

##### Components:

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## **Propan-1-ol:**

No skin irritation

## **Ethanol:**

No skin irritation, rabbit

## **Serious eye damage/eye irritation**

### **Product**

Irritating to eyes.

## **Respiratory or skin sensitisation**

### **Components:**

#### **Propan-1-ol:**

Does not cause skin sensitisation. guinea pig Maximisation Test (GPMT)

#### **Ethanol:**

Did not cause sensitisation on laboratory animals. Maximisation Test (GPMT) guinea pig

## **Germ cell mutagenicity**

### **Components:**

#### **Propan-1-ol:**

Germ cell mutagenicity-  
Assessment : Not mutagenic in Ames Test.

#### **Ethanol:**

Genotoxicity in vitro : Not mutagenic in Ames Test. OECD Test Guideline 471  
Genotoxicity in vivo : not mutagenic  
Germ cell mutagenicity-  
Assessment : Tests on bacterial or mammalian cell cultures did not show  
mutagenic effects.

## **Carcinogenicity**

### **Components:**

#### **Propan-1-ol:**

Carcinogenicity -  
Assessment : Animal testing did not show any carcinogenic effects.

#### **Ethanol:**

Carcinogenicity -  
Assessment : Did not show carcinogenic effects in animal experiments.

## **Reproductive toxicity**

### **Components:**

#### **Propan-1-ol:**

rat, Inhalation, NOAEL: 8,6 mg/l

Reproductive toxicity -  
Assessment : Animal testing did not show any effects on fertility.

#### **Ethanol:**

Reproductive toxicity -  
Assessment : In animal testing, risk of impaired fertility was shown only after  
administration of very high doses of this substance.

## **Teratogenicity**

### **Components:**

#### **Propan-1-ol:**

rat, Inhalation, NOAEL: 8,6 mg/l

Teratogenicity - Assessment : Experiments have shown reproductive toxicity effects on  
laboratory animals.

#### **Ethanol:**

rat, Oral, NOAEL: 2.000 mg/kg

Teratogenicity - Assessment : Animal experiments showed mutagenic and teratogenic

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effects.

## STOT - single exposure

no data available

## STOT - repeated exposure

no data available

## Repeated dose toxicity

### Components:

#### **Ethanol:**

rat: NOAEL: 2.400 mg/kg , Oral

## Aspiration toxicity

no data available

## Further information

### Product

The product has not been tested.

## SECTION 12: Ecological information of the active solution

### 12.1 Toxicity

#### Components:

##### **Propan-1-ol :**

Toxicity to fish : LC50 (Fish): 3.200 mg/l, 96 h  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.642 mg/l, 48 h  
Toxicity to algae : NOEC (Chlorella pyrenoidosa): 1.150 mg/l, 48 h  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 100 mg/l, 21 d, OECD Test Guideline 211

##### **Ethanol :**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 8.140 mg/l, 48 h  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 5.000 mg/l, 48 h  
Toxicity to algae : IC50 (Scenedesmus quadricauda (Green algae)): > 100 mg/l, 72 h

### 12.2 Persistence and degradability

#### Product

Biodegradability : Readily biodegradable., OECD 301D / EEC 84/449 C6  
Chemical Oxygen Demand (COD) : 13.000 mg/l , 1% solution

### 12.3 Bioaccumulative potential

#### Components:

##### **Propan-1-ol :**

Bioaccumulation : Bioaccumulation is unlikely.  
Partition coefficient: n-octanol/water : log Pow: 0,43

##### **Ethanol :**



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Bioaccumulation : Bioaccumulation is unlikely.  
Partition coefficient: n-octanol/water : log Pow: -0,14Method: calculated

## 12.4 Mobility in soil

### Components:

#### **Propan-1-ol :**

Mobility : Mobile in soils

#### **Ethanol :**

Mobility : no data available

## 12.5 Results of PBT and vPvB assessment

### Product

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## 12.6 Other adverse effects

### Product

Additional ecological information : none

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Take empty packaging to the recycling plant.

## SECTION 14: Transport information

### 14.1 UN number

ADR : 3175

IMDG : 3175

IATA : 3175

### 14.2 Proper shipping name

ADR : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.  
(Propan-1-ol, Ethanol)

IMDG : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.  
(Propan-1-ol, Ethanol)

IATA : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.  
(Propan-1-ol, Ethanol)

### 14.3 Transport hazard class

ADR : 4.1

IMDG : 4.1

IATA : 4.1

### 14.4 Packing group

ADR  
Packaging group : II

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Classification Code : F1  
Hazard Identification Number : 40  
Labels : 4.1  
Tunnel restriction code : E

## IMDG

Packaging group : II  
Labels : 4.1  
EmS Number : F-A, S-I

## IATA

Packaging group : II  
Labels : 4.1

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

#### IATA

Environmentally hazardous : no

### 14.6 Special precautions for user

For personal protection see section 8.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Exempt

## SECTION 15: Regulatory information

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

Legislation on the control of major-accident hazards involving dangerous substances : Directive 96/82/EC does not apply

Volatile organic compounds : 60 %, of the active solution, Directive 1999/13/EC on the limitation of emissions of volatile organic compounds

### 15.2 Chemical Safety Assessment

Exempt

## SECTION 16: Other information

### Full text of R-Phrases

R11                      Highly flammable.  
R41                      Risk of serious damage to eyes.  
R67                      Vapours may cause drowsiness and dizziness.

### Full text of H-Statements

H225                      Highly flammable liquid and vapour.  
H318                      Causes serious eye damage.

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H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

## Full text of other abbreviations

Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
STOT SE	Specific target organ toxicity - single exposure

|| Changes compared with the previous edition!!!

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.