

# HEALTH AND SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**1.1 Product Name:** HAND & HARD SURFACE CLEANER WIPES

**1.3 Product Description:** A anti-microbial hand and hard surface sanitiser using ethanol and chlorhexidine digluconate as the active ingredients. This preparation is absorbed onto cotton wipes for ease of application.

**Product code:** HYW

## 2. HAZARD IDENTIFICATION

**2.1:** Product is classed as 'Highly Flammable'; the other material listed below is present at a level lower than that required for any other classification. The product is formulated to be hand safe.

**2.2 Risk Phrases:** R 11 Highly flammable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

**3.1** A blend of ethanol, chlorhexidine digluconate and emollients.

<b>3.2 Hazardous ingredients:</b>	<b>CAS No:</b>	<b>EINECS</b>	<b>%w.w</b>	<b>Nature of Hazard:</b>
Ethanol	64-17-5	200-578-6	60-100	Highly Flammable, R11
Chlorhexidine digluconate	18472-51-0	242-354-0	<1	Irritant: R36/38 Dangerous for the Environment, R50

## 4. FIRST AID MEASURES

**4.1 Eyes:** Rinse immediately with plenty of water. Seek medical advice if discomfort occurs.

**4.2 Skin:** Should not normally cause any problems but if contact is continuous and prolonged, then dryness can occur. If this happens, wash the affected area with water and apply a moisturizing cream.

**4.3 Ingestion:** Drink milk or water. Do not induce vomiting and seek medical advice if feeling unwell.

**4.4 Inhalation:** If excessive amounts of vapour, spray or mist are inhaled, remove person to fresh air, rest and keep warm.

## 5. FIRE FIGHTING MEASURES

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If involved in a fire, spray packs with water to keep cool. Extinguish small fires with dry chemical powder. Use alcohol foam, water spray or fog for larger fires.

## 6. ACCIDENTAL RELEASE MEASURES

Extinguish all sources of ignition. Enforce 'No Smoking' regulations . If large quantities are spilled, for example during the transportation of pallet loads, ensure good ventilation and wear protective clothing as below in Section 8. Scrape up and place into secure plastic containers. Dispose of as a solid waste. If individual small containers are spilt, then simply mop or wipe the affected area; wear rubber gloves to avoid drying of the skin.

## 7. HANDLING AND STORAGE

Store between 0 and 35° C in the containers provided and replace closure after use. Do not mix with other chemicals. Store in a cool, well ventilated area away from heat and sources of ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The nature and application of the product means that exposure is therefore very limited. If the user is using the product as a hard surface cleaner and exposure is prolonged, then the user should wear gloves to prevent drying of the skin. Ensure good ventilation and 'No Smoking'.

### 8.1 Workplace Exposure Limits (WELs):

Ethanol has a Long-term Exposure Limit (LTEL) of 1000 ppm or 1920 mg/m<sup>3</sup>. The product contains ~70 % w/w of this compound.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Before absorption onto the fabric wipe, the liquid product has the following properties:

<b>9.1 Appearance:</b>	Clear, colourless liquid.
<b>9.2 Odour:</b>	Alcohol odour.
<b>9.3 pH:</b>	Neat: 6
<b>9.4 Density@20 ° C</b>	0.88 g/ml
<b>9.5 Flash Point:</b>	16 °C
<b>9.6 Solubility in Water:</b>	Soluble in all proportions.

## 10. STABILITY AND REACTIVITY

Do not mix with other chemicals, particularly oxidising agents and acids. Keep away from heat and sources of ignition. If the product burns, carbon monoxide and carbon dioxide will be produced.

## 11. TOXICOLOGICAL INFORMATION

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<b>11.1 Contact with eyes:</b>	Prolonged exposure may cause slight irritation.
<b>11.2 Contact with skin:</b>	Prolonged contact may cause dryness.
<b>11.3 Ingested:</b>	Not a likely problem..
<b>11.4 Inhaled:</b>	Prolonged inhalation to vapour may cause dizziness plus irritation to mouth, nose and throat.

## 12. ECOLOGICAL INFORMATION

The surfactants, emollients and biocides contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ethanol is readily biodegradable, evaporates easily and the product does not present any environmental problems.

## 13. DISPOSAL CONSIDERATIONS

Used wipes can be disposed of via normal litter bins. However, if large numbers are used in a particular area, then it is advisable to collect them together in a refuse sack and place the sack in a secure metal bin in a designated 'No Smoking', 'No Naked Flames' area before disposal. Before disposal of unwanted, unused product, seek advice of local authority.

## 14. TRANSPORT INFORMATION

<b>UN No:</b>	1170	<b>Name:</b>	Ethanol solution.
<b>Hazard Class:</b>	Class 3	<b>Trem Card No:</b>	32,30G30
<b>Packaging Group:</b>	III		

## 15. REGULATORY INFORMATION

The preparation requires a formal COSHH assessment which should ensure that employees are aware of hazards/precautions detailed in this data sheet. The COSHH assessment should also ensure that recommended safety equipment is available and, where applicable, the exposure limits detailed in Section 8 are not being exceeded.

### Label for Supply:



<b>Risk Phrases:</b>	R11	Highly flammable
<b>Safety Phrases:</b>	S 7	Keep container tightly closed.
	S16	Keep away from sources of ignition-No Smoking.

**U.K. Regulatory References:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 aligned with ADR. Workplace Exposure Limits EH40.2005 and subsequent amendments.

SECTION 15 Cont.

REACH: Regulation 1907/2006/EC effective June 1<sup>st</sup>, 2007. The raw materials used in the preparation have been pre-registered in accord with the requirements of REACH.

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## 16. OTHER INFORMATION

It is the responsibility of the user to ensure safe working conditions. The health hazards and general information contained within this Material Safety Data Sheet are given as a guide to the precautions required to maintain a safe working environment.

Details of the R-Phrases used in Section 3. are as follows:

R36/38 Irritating to eyes and skin.

R50 Very toxic to aquatic organisms.

This product can be used as a hand wipe or as a hard surface cleaner. The high alcohol/low water content gives a fast evaporation rate which makes the product particularly suitable for cleaning the electrical equipment used in offices and workshops e.g. the keyboards on computers, faxes, scanners, photocopiers, telephones, switches, control panels etc.

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