

# SAFETY DATA SHEET

## ENZYGUARD

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

#### 1.1. Product identifier

Product name ENZYGUARD

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

Identified uses Hard Surface Cleaner/Sanitiser

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

Supplier **HYGENOL CLEANING SUPPLIES LTD**  
UNIT 5  
PARKWAY BUS CENTRE  
DEESIDE  
CHESTER  
CHESHIRE  
CH5 2LD  
UNITED KINGDOM  
  
Tel. 01244 288 882  
Fax. 01244 288 878  
email info@hygenol.co.uk

#### 1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01244 288 882

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

##### Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

#### 2.2. Label elements

##### Pictogram



Signal word Danger

##### Hazard statements

H318 Causes serious eye damage.  
H315 Causes skin irritation.

##### Precautionary statements

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P102 Keep out of reach of children.

P280 Wear protective gloves, eye and face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

P315 Get immediate medical advice/attention.

### Contains

Alcoholic Ethoxylate, Alkyl dimethyl benzyl ammonium chloride, Didecyldimethylammonium chloride

### 2.3. Other hazards

No other hazards known. This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Alcoholic Ethoxylate</b> <span style="float: right;"><b>1-5%</b></span> <b>CAS number:</b> 160901-19-9 <b>EC number:</b> —	
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.
<b>Alkyl dimethyl benzyl ammonium chloride</b> <span style="float: right;"><b>1-5%</b></span> <b>CAS number:</b> 63449-41-2 <b>EC number:</b> 273-544-1 <b>M factor (Acute) = 1</b>	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R21/22. C;R34. N;R50.
<b>Didecyldimethylammonium chloride</b> <span style="float: right;"><b>1-5%</b></span> <b>CAS number:</b> 7173-51-5 <b>EC number:</b> 230-525-2	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. C;R34. N;R50.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

#### Ingestion

Remove affected person from source of contamination. Do not induce vomiting. Give plenty of water to drink. Rinse mouth thoroughly with water. Get medical attention.

#### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Rinse immediately with plenty of water.

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## Eye contact

Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Important! Immediately rinse with water for at least 15 minutes. Continue to rinse.

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

### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### Inhalation

Irritation of nose, throat and airway.

### Ingestion

May cause stomach pain or vomiting.

### Skin contact

Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

## Eye contact

Causes serious eye damage.

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

### Notes for the doctor

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### Suitable extinguishing media

The product is not flammable. Extinguish with the following media: Water spray. Foam. Dry chemicals, sand, dolomite etc. Use fire-extinguishing media suitable for the surrounding fire.

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

#### Hazardous combustion products

When heated, vapours/gases hazardous to health may be formed.

### **5.3. Advice for firefighters**

#### Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours.

#### Special protective equipment for firefighters

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

## **SECTION 6: Accidental release measures**

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

#### Personal precautions

For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### **6.3. Methods and material for containment and cleaning up**

#### Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

### **6.4. Reference to other sections**

#### Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

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

#### Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

### 7.3. Specific end use(s)

#### Specific end use(s)

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

#### Usage description

See product label for detailed usage and instructions.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### Ingredient comments

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

Tight-fitting safety glasses.

#### Hand protection

Nitrile gloves are recommended.

#### Other skin and body protection

General workwear only

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Clear liquid. Liquid

#### Colour

Red.

#### Odour

Odourless.

#### pH

pH (concentrated solution): 9.8 - 10.8

#### Initial boiling point and range

100°C @

#### Relative density

1.032 - 1.042 @ @ 20°C

### 9.2. Other information

#### Other information

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None.

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

#### **10.2. Chemical stability**

##### **Stability**

Stable at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

Not known.

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

Avoid contact with other chemicals.

#### **10.5. Incompatible materials**

##### **Materials to avoid**

Do not mix or use with other products.

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

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

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

##### **Toxicological effects**

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

##### **Acute toxicity - oral**

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

10,841.2540399

##### **Acute toxicity - dermal**

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

128925.61983471

##### **Inhalation**

May cause respiratory system irritation.

##### **Ingestion**

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Nausea, vomiting.

##### **Skin contact**

Irritating to skin. Prolonged or repeated exposure may cause severe irritation.

##### **Eye contact**

Risk of serious damage to eyes. Irritation of eyes and mucous membranes.

### SECTION 12: Ecological Information

##### **Ecotoxicity**

Not regarded as dangerous for the environment.

#### **12.1. Toxicity**

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

#### **12.2. Persistence and degradability**

##### **Persistence and degradability**

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No

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648/2004.

### **12.3. Bioaccumulative potential**

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

### **12.4. Mobility in soil**

#### **Mobility**

The product contains substances, which are water soluble and may spread in water systems.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

None known.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

#### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

Not applicable.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

### **14.6. Special precautions for user**

No information required.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

## **SECTION 15: Regulatory information**

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

#### **National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).

#### **EU legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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).

#### **Guidance**

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. CHIP for everyone HSG228.

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## **15.2. Chemical safety assessment**

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

## **SECTION 16: Other information**

### **General information**

The following risk phrases relate to the raw materials in the product and not the product itself:-

### **Revision comments**

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

**Revision date** 04/03/2015

**Revision** 2

### **Risk phrases in full**

NC Not classified.  
R34 Causes burns.  
R21/22 Harmful in contact with skin and if swallowed.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.  
R22 Harmful if swallowed.

### **Hazard statements in full**

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.