

SDS conforms with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends (EC) No 2015/830, 453/2010 & 1907/2006)" and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

# SAFETY DATA SHEET

## Hygenol - DISHWASH

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

### 1.1. Product identifier

Product name Hygenol - DISHWASH

Product number A070 HL

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

Identified uses Alkaline Liquid Detergent for Dish Washing Machines. Suitable for use in the food Industry.

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

Supplier Hygenol  
Unit 5  
Parkway Business Centre  
Deeside  
Chester  
CH5 2LD  
Tel: 01244 288 882  
Fax: 01244 288 878  
E-Mail - [info@hygenol.co.uk](mailto:info@hygenol.co.uk)

#### 1.4. Emergency telephone number

Emergency telephone Hygenol - 01244 288 882 - 8.30am to 5.00pm - Mon to Fri

For Health Care Professionals in UK only - Contact the National Poisons Information Service for further advice.

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture Classification (EU: 1272/2008 & UK: SI 2020/1567 which amends SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards      Not Classified

## 2.2. Label elements

## Hazard pictograms



## Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

## Hygenol - DISHWASH

Precautionary statements	P102 Keep out of reach of children. P260 Do not breathe mist. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. P501 Dispose of contents/ container in accordance with local regulations.
Contains	SODIUM HYDROXIDE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

SODIUM HYDROXIDE	15-20%
CAS number: 1310-73-2	EC number: 215-185-5
Spec Conc Limits :- Skin Corr. 1A (H314) >= 5 %, Skin Corr. 1B (H314) >=2% <5 %, Skin Irrit. 2 (H315) >=0.5%<2%, Eye Irrit. 2 (H319) >=0.5% <2%	
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

The Full Text for all Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. 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 chemical burns in mouth and throat.
Skin contact	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
Eye contact	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

## Hygenol - DISHWASH

### 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. Use fire-extinguishing media suitable for the surrounding fire.

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

Specific hazards              Thermal decomposition or combustion products may include the following substances:  
Irritating gases or vapours.

#### 5.3. Advice for firefighters

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            Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

#### 6.2. Environmental precautions

Environmental precautions    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      Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

#### 6.4. Reference to other sections

Reference to other sections    For personal protection, see Section 8.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Usage precautions            Wear protective clothing, gloves, eye and face protection.

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

Storage precautions            Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. & Acids.

#### 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 Information Sheet & Label for detailed use of this product.

# Hygenol - DISHWASH

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters Occupational exposure limits

#### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>  
WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



Appropriate engineering controls	Not relevant.
Eye/face protection	The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Wear protective gloves. (Household rubber gloves.)
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Respiratory protection	Respiratory protection not required.

## SECTION 9: Physical and chemical properties

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

Appearance	Liquid.
Colour	Colourless. to Pale pink.
Odour	Characteristic.
pH	pH (diluted solution): 11.60 @ 3ml / L
Melting point	-2°C
Initial boiling point and range	102°C @ 760 mm Hg
Flash point	Boils without flashing.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.197 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not available.

### 9.2. Other information

Other information	None.
Particle size	Not applicable.

## Hygenol - DISHWASH

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity Reactions with the following materials may generate heat: Strong acids.

#### 10.2. Chemical stability

Stability No particular stability concerns.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See sections 10.1, 10.4 & 10.5

#### 10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

#### 10.5. Incompatible materials

Materials to avoid Strong acids. Aluminium, Tin, Zinc and their alloys.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

#### Acute toxicity - oral

Summary Not applicable.

#### Acute toxicity - dermal

Summary Not applicable.

#### Acute toxicity - inhalation

Summary Not applicable.

#### Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

#### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

#### Respiratory sensitisation

Summary Not applicable.

#### Skin sensitisation

Summary Not applicable.

#### Germ cell mutagenicity

Summary Not applicable.

#### Carcinogenicity

Summary Not applicable.

#### Reproductive toxicity

Summary Not applicable.

## Hygenol - DISHWASH

### Specific target organ toxicity - single exposure

Summary Not applicable.

### Specific target organ toxicity - repeated exposure

Summary Not applicable.

### Aspiration hazard

Summary Not applicable.

11.2. Information on other Hazards None known.

11.2.1 Endocrine disrupting properties None known.

## SECTION 12: Ecological information

Ecotoxicity Potentially hazardous due to the alkalinity of the product.

### 12.1. Toxicity

Toxicity We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### 12.2. Persistence and degradability

Persistence and degradability Sequestrant is readily degraded during biological effluent treatment processes.

### 12.3. Bioaccumulative potential

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

Partition coefficient Not applicable.

### 12.4. Mobility in soil

Mobility Not known.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties None known.

### 12.7. Other adverse effects

Other adverse effects None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal methods Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## Hygenol - DISHWASH

### SECTION 14: Transport information

#### 14.1. UN number or ID number

UN No. (ADR/RID) 1719  
 UN No. (IMDG) 1719  
 UN No. (ICAO) 1719

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)  
 Proper shipping name (IMDG) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)  
 Proper shipping name (ICAO) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)

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

ADR/RID class Class 8: Corrosive substances.

ADR/RID label 8

IMDG class Class 8: Corrosive substances.

ICAO class/division Class 8: Corrosive substances.

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
 No.

#### 14.6. Special precautions for user

EmS F-A, S-B

Tunnel restriction code (E)

#### 14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL  
 And the IBC Code

## Hygenol - DISHWASH

### SECTION 15: Regulatory information

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

EU legislation	<p>Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 &amp; 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".</p> <p>The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling &amp; packaging of substances &amp; mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.". Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling &amp; packaging of substances &amp; mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.". </p>
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#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

### SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>GHS: Globally Harmonized System.</p> <p>Spec Conc Limits = Specific Concentration Limits.</p>
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Classification abbreviations and acronyms	<p>Eye Dam. = Serious eye damage</p> <p>Met. Corr. = Corrosive to metals</p> <p>Skin Corr. = Skin corrosion</p>
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Key literature references and sources for data	Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
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Classification procedures	Calculation Method.
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Revision comments	Re-issued SDS after 3-year review - No change in Product Classification.
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Revision date	08/01/2026
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Revision	10
The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.	

Hazard statements in full	<p>H290 May be corrosive to metals.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p>
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