

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 - BLUE ACID (Acid Toilet Cleaner)

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

##### 1.1. Product identifier

Product name                      Hygenol - BLUE ACID (Acid Toilet Cleaner)

Product number                  A190 HL

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

Identified uses                      Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms

##### 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  
E-Mail - info@hygenol.co.uk

##### 1.4. Emergency telephone number

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

#### 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 Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards              Not Classified

##### 2.2. Label elements

Hazard pictograms



Signal word                              Warning

Hazard statements                    H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements           P102 Keep out of reach of children.  
P301 IF SWALLOWED:  
P313 Get medical advice/ attention.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P501 Dispose of contents/ container in accordance with local regulations.

Contains                                  METHANESULPHONIC ACID

## Hygenol - BLUE ACID (Acid Toilet Cleaner)

### 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

<div> <div>METHANESULPHONIC ACID</div> <div> <div>CAS number: 75-75-2</div> <div>EC number: 200-898-6</div> </div> </div> <div>1-3%</div>
<div>Classification</div> <div>Met. Corr. 1 - H290</div> <div>Acute Tox. 4 - H302</div> <div>Acute Tox. 4 - H312</div> <div>Skin Corr. 1B - H314</div> <div>Eye Dam. 1 - H318</div> <div>STOT SE 3 - H335</div>
<div> <div>C10-16 ALKYL DIMETHYLAMINE OXIDE</div> <div> <div>CAS number: 70592-80-2</div> <div>EC number: 274-687-2</div> </div> </div> <div>0.1-1%</div> <div>M factor (Acute) = 1</div>
<div>Classification</div> <div>Acute Tox. 4 - H302</div> <div>Skin Irrit. 2 - H315</div> <div>Eye Dam. 1 - H318</div> <div>Aquatic Acute 1 - H400</div> <div>Aquatic Chronic 2 - H411</div>

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. Give plenty of water to drink. Get medical attention.
Skin contact	Wash with plenty of water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 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 discomfort if swallowed.
Skin contact	Skin irritation. Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

## Hygenol - BLUE ACID (Acid Toilet Cleaner)

### 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 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                      Avoid contact with skin and eyes.

#### 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. (eg Hypochlorite / Bleach) & Alkalis.

#### 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 - BLUE ACID (Acid Toilet Cleaner)

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

Ingredient comments      No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

##### Protective equipment



Appropriate engineering controls      Not relevant.

Eye/face protection      Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection      It is recommended that chemical-resistant, impervious gloves are worn. (Household rubber gloves.)

Other skin and body protection      Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection      Respiratory protection not required.

### SECTION 9: Physical and chemical properties

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

Appearance	Viscous liquid.
Colour	Clear. Green.
Odour	Pine.
pH	pH (concentrated solution): 1.09
Melting point	-1°C
Initial boiling point and range	101°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	Density=1.006 @ 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 - BLUE ACID (Acid Toilet Cleaner)

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity Reacts with alkalis and generates heat.

#### 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 alkalis. Avoid contact with strong oxidising agents.

#### 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.

Other health effects Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 43,324.43

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 73,431.24

#### Acute toxicity - inhalation

Summary Not applicable.

#### Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

#### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

#### Respiratory sensitisation

Summary Not applicable.

#### Skin sensitisation

Summary Not applicable.

#### Germ cell mutagenicity

Summary Not applicable.

## Hygenol - BLUE ACID (Acid Toilet Cleaner)

### Carcinogenicity

Summary Not applicable.

### Reproductive toxicity

Summary Not applicable.

### 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 The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

### 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 The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

### 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 Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste.

## Hygenol - BLUE ACID (Acid Toilet Cleaner)

### SECTION 14: Transport information

General Not classified for Transport.

#### 14.1. UN number or ID number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not regulated.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL  
And the IBC Code Not relevant for a packaged product.

### SECTION 15: Regulatory information

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

##### EU legislation

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 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.".

The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & 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." which amends SI 2019 No.720).

Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & 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." which amends SI 2019 No.720).

#### 15.2. Chemical safety assessment

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

## Hygenol - BLUE ACID (Acid Toilet Cleaner)

## SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</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>
Classification abbreviations and acronyms	<p>Eye Dam. = Serious eye damage</p> <p>Eye Irrit. = Eye irritation</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Irrit. = Skin irritation</p> <p>NC (Not Classified)</p>
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.
Classification procedures	Calculation Method.
Revision comments	<p>Product Name change was BLUE - ACID TOILET CLEANER</p> <p>- No change in Product Classification (Changes made to sections 1, +16)</p>
Revision date	01/07/2025
Revision	9
	<p>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.</p>
Hazard statements in full	<p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>