



## 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

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

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.

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### 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) & Alkalies.

### 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.

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## 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 LD<sub>50</sub> 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.

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### 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 Not relevant for a packaged product.

Annex II of MARPOL

And the IBC Code

### 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.

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### 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	Product Name change was BLUE - ACID TOILET CLEANER - No change in Product Classification (Changes made to sections 1, +16)
Revision date	01/07/2025
Revision	9
Hazard statements in full	<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> <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>