

# SAFETY DATA SHEET

## Hygenol - RINSE AID

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

#### 1.1. Product identifier

Product name                    Hygenol - RINSE AID  
 Product number                C507

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

Identified uses                 Rinse Aid for Dish and Glass Washing Machines.

#### 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

#### 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 (EC 1272/2008)

Physical hazards                Not Classified  
 Health hazards                 Not Classified  
 Environmental hazards        Not Classified

#### 2.2. Label elements

Hazard statements              EUH208 Contains 1,2-BENZISOTHIAZOLIN-3-ONE. May produce an allergic reaction.  
 Precautionary statements    P102 Keep out of reach of children.  
     P301 IF SWALLOWED:  
     P313 Get medical advice/ attention.  
     P501 Dispose of contents/ container in accordance with local regulations.

#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>SODIUM CUMENE SULPHONATE</b>	<b>0.1-1%</b>
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CAS number: 15763-76-5	EC number: 239-854-6
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<b>Classification</b> Eye Irrit. 2 - H319
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<b>AMINO TRIMETHYLENE PHOSPHONIC ACID</b>	<b>0.1-1%</b>
CAS number: 6419-19-8	EC number: 229-146-5
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
<b>1,2-BENZISOTHIAZOLIN-3-ONE</b>	<b>&lt;0.1%</b>
CAS number: 2634-33-5	EC number: 220-120-9
M factor (Acute) = 1	
Spec Conc Limits :- Skin Sens. 1; H317 ≥ 0.05% EUH208 ≥ 0.005%	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	

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

**Composition comments**            The ingredients are present in non-hazardous concentrations.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash with plenty of water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known. But - May cause discomfort if swallowed.
<b>Skin contact</b>	No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
<b>Eye contact</b>	No specific symptoms known. Prolonged contact may cause redness and/or tearing.

#### 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

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**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** No special protective clothing. (See Sec 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** No specific recommendations.

### 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.

### 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.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

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

### 8.2. Exposure controls

**Appropriate engineering controls** Not relevant.

**Eye/face protection** No specific eye protection required during normal use.

**Hand protection** No specific hand protection recommended. For prolonged or repeated skin contact use suitable protective gloves.

**Other skin and body protection** None required.

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**Respiratory protection**            Respiratory protection not required.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Clear. Blue.
<b>Odour</b>	Faint
<b>pH</b>	pH (concentrated solution): 2.1
<b>Melting point</b>	-3°C
<b>Initial boiling point and range</b>	103°C @ 760 mm Hg
<b>Flash point</b>	Boils without flashing.
<b>Relative density</b>	1.005 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

**Other information**            None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity**                    There are no known reactivity hazards associated with this product.

#### 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**            No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products**    No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**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.

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### SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

#### 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 Regulation (EC) No. 648/2004 on detergents.

#### 12.3. Bioaccumulative potential

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

#### 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. Other adverse effects

**Other adverse effects** Not 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 by approved waste contractor. Consign empty container to normal waste.

### SECTION 14: Transport information

**General** Not classified for Transport.

#### 14.1. UN number

#### 14.2. UN proper shipping name

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

#### 14.4. Packing group

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

#### 14.7. Transport in bulk according to 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 REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).  
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.  
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

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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

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>PBT: Persistent, Bioaccumulative and Toxic substance.  vPvB: Very Persistent and Very Bioaccumulative.  ATE: Acute Toxicity Estimate.  REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  GHS: Globally Harmonized System.  Spec Conc Limits = Specific Concentration Limits.</p>
<b>Classification abbreviations and acronyms</b>	<p>Acute Tox. = Acute toxicity  Aquatic Acute = Hazardous to the aquatic environment (acute)  Eye Dam. = Serious eye damage  Eye Irrit. = Eye irritation  Skin Irrit. = Skin irritation  Skin Sens. = Skin sensitisation</p>
<b>Key literature references and sources for data</b>	<p>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&amp;L Inventory database.</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>Calculation Method.</p>
<b>Revision comments</b>	<p>Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&amp;16)</p>
<b>Revision date</b>	<p>11/05/2018</p>
<b>Revision</b>	<p>8</p>
<b>Hazard statements in full</b>	<p>H302 Harmful if swallowed.  H315 Causes skin irritation.  H317 May cause an allergic skin reaction.  H318 Causes serious eye damage.  H319 Causes serious eye irritation.  H400 Very toxic to aquatic life.  EUH208 Contains 1,2-BENZISOTHIAZOLIN-3-ONE. May produce an allergic reaction.</p>