

# SAFETY DATA SHEET

## Aztec - GLEEM

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

#### 1.1. Product identifier

Product name Aztec - GLEEM

Product number A010 AZ

Internal identification

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

Identified uses Acidic Hard Surface Cleaner for Washrooms.

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

Supplier Aztec Chemicals Ltd  
Unit 16 Orion Park  
University Way  
Crewe  
CW1 6NG  
  
Tel: 01270 655500  
Fax: 01270 655501  
E-Mail - sales@aztecchemicals.com

#### 1.4. Emergency telephone number

Emergency telephone Aztec - 01270 655 500 - 8.30am to 5.00pm - Mon to Fri

### SECTION 2: Hazards identification

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

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Eye Irrit. 2 - H319 Elicitation - EUH208

##### Environmental hazards

Not Classified

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

#### 2.2. Label elements

##### Pictogram



Signal word Warning

##### Hazard statements

EUH208 Contains LIMONENE. May produce an allergic reaction.  
H319 Causes serious eye irritation.

##### Precautionary statements

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P102 Keep out of reach of children.

P280 Wear eye protection.

P301 IF SWALLOWED:

P313 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**

ALCOHOL (C9-C11) ETHOXYLATE (6EO)

**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>CITRIC ACID</b>		<b>3-5%</b>
CAS number: 77-92-9 EC number: 201-069-1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319	Xi;R36/38.	
<b>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</b>		<b>1-3%</b>
CAS number: 68439-45-2 EC number: —		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302 Eye Dam. 1 - H318	Xn;R22. Xi;R41.	
<b>1-METHOXY-2-PROPANOL</b>		<b>1-3%</b>
CAS number: 107-98-2 EC number: 203-539-1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226 STOT SE 3 - H336	R10	
<b>ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE</b>		<b>0.1-1%</b>
CAS number: 68424-85-1 EC number: 270-325-2 M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Xn;R21/22. C;R34. N;R50.	

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<b>LIMONENE</b>	<b>0.1-1%</b>
CAS number: 5989-27-5    EC number: 227-813-5 M factor (Chronic) = 1	
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. Xi;R38. N;R50/53. R10,R43.
<b>2,2'-OXYBISETHANOL</b>	<b>0.1-1%</b>
CAS number: 111-46-6    EC number: 203-872-2	
<b>Classification</b> Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22
<b>1,3 PROPANEDIAMINE, C10-16 ALKYL DERIVATIVES, REACTION PRODUCT WITH 2-CHLORO ACETIC ACIDS</b>	<b>0.1-1%</b>
CAS number: 139734-65-9    EC number: — M factor (Acute) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	<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**

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 if any discomfort continues.

**Skin contact**

Wash with plenty of water.

**Eye contact**

Rinse immediately with plenty of water. 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**

No specific symptoms known.

**Ingestion**

No specific symptoms known. But - May cause discomfort if swallowed.

**Skin contact**

No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

**Eye contact**

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May cause temporary eye irritation. 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.

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## **SECTION 5: Firefighting measures**

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### **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.

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

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

#### **Personal precautions**

Wear 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.

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

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### **7.1. Precautions for safe handling**

#### **Usage precautions**

Wear eye 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.

### **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**

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### **8.1. Control parameters**

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### Occupational exposure limits

#### **1-METHOXY-2-PROPANOL**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m<sup>3</sup>

Sk

#### **2,2'-OXYBISETHANOL**

Long-term exposure limit (8-hour TWA): WEL 23 ppm 101 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### 8.2. Exposure controls

#### **Protective equipment**



#### **Appropriate engineering controls**

Not relevant.

#### **Eye/face protection**

Wear eye protection.

#### **Hand protection**

No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

#### **Other skin and body protection**

None required.

#### **Respiratory protection**

Respiratory protection not required.

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## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Liquid.

#### **Colour**

Clear. Colourless.

#### **Odour**

Citrus.

#### **pH**

pH (concentrated solution): 2.30

#### **Melting point**

-1°C

#### **Initial boiling point and range**

101°C @ 760 mm Hg

#### **Flash point**

Boils without flashing.

#### **Relative density**

1.017 @ 20°C

#### **Solubility(ies)**

Soluble in water.

### 9.2. Other information

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### Other information

None.

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### SECTION 10: Stability and reactivity

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#### 10.1. 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

See sections 10.1,10.4 & 10.5

#### 10.4. 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

No known hazardous decomposition products.

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### SECTION 11: Toxicological information

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#### 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 LD50)

Based on available data the classification criteria are not met.

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

10,203.38983051

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### SECTION 12: Ecological Information

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#### Ecotoxicity

Not regarded as dangerous for the environment.

#### 12.1. 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. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

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### Mobility

Not known.

### 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

Not known.

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## SECTION 13: Disposal considerations

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### 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. Rinse out empty container with water and consign to normal waste.

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## SECTION 14: Transport information

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**General** Not classified for Transport.

### 14.1. UN number

UN No. (ICAO)

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

ADR/RID label

ICAO class/division

ICAO subsidiary risk

### 14.4. Packing group

ADR/RID packing group

ICAO packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

EmS

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

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

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## SECTION 15: Regulatory information

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### 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 453/2010 (which amends Regulation (EC) No 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 both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

#### Guidance

Workplace Exposure Limits EH40.

### 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

#### Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

#### Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**Revision date** 01/05/2015

**Revision** Issue 5

**SDS status** The Risk Phrases / 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 Risk Phrases / Hazard Statements relating to this Product see Section 2.

#### Risk phrases in full

NC Not classified.  
R10 Flammable.  
R21/22 Harmful in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36/38 Irritating to eyes and skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.

#### Hazard statements in full

EUH208 Contains LIMONENE. May produce an allergic reaction.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.