

SAFETY DATA SHEET

Hygenol - Lime Contract - HARD SURFACE CLEANER - 5L

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

1.1. Product identifier

Product name Hygenol - Lime Contract - HARD SURFACE CLEANER - 5L
Product number C105

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

Identified uses Alkaline Liquid Hard surface cleaner

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

Physical hazards

Not Classified

Health hazards

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards

Not Classified

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

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

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- P102 Keep out of reach of children.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- 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.
- P315 Get immediate medical advice/attention.
- P501 Dispose of contents/container in accordance with local regulations.

Contains ALCOHOL (C9-C11) ETHOXYLATE (6EO), COCAMIDOPROPYL BETAINE , 2-AMINOETHANOL

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

ALCOHOL (C9-C11) ETHOXYLATE (6EO) CAS number: 68439-45-2 EC number: —	1-3%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41.
COCAMIDOPROPYL BETAINE CAS number: 61789-40-0 EC number: 263-058-8	1-3%
Classification Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi;R41.
2-AMINOETHANOL CAS number: 141-43-5 EC number: 205-483-3 REACH registration number: 01-2119486455-28	1-3%
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R20/21/22

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.

Skin contact

Wash with plenty of water. Get medical attention if irritation persists after washing.

Eye contact

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Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.

Eye contact

Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

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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.

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

Occupational exposure limits

2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2.5 mg/m3

Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m3

Sk

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

Wear protective gloves. (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

Clear liquid.

Colour

Yellow.

Odour

Citrus.

pH

pH (concentrated solution): 10.60

Melting point

-1°C

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Initial boiling point and range

101°C @ 760 mm Hg

Flash point

Boils without flashing.

Relative density

1.006 @ 20°C

Solubility(ies)

Soluble in water.

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

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.

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 LD50)

Based on available data the classification criteria are not met.

ATE oral (mg/kg)

12,580.86248907

Acute toxicity - dermal

Notes (dermal LD50)

Based on available data the classification criteria are not met.

ATE dermal (mg/kg)

72081.57524613

Acute toxicity - inhalation

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Notes (inhalation LC50)

Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l)

710.26722925

SECTION 12: Ecological Information

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.

12.3. 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

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

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

SECTION 14: Transport information

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

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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

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 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.

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 08/12/2014

Revision Issue 4

SDS number 20628

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

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

R41 Risk of serious damage to eyes.

Hazard statements in full

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H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.