

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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BEERTECH 21 BOTTOMING OUT KIT

Revision 3
Revision date 2015-07-13

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

1.1. Product identifier

| | |
|---------------------|-------------------------------|
| Product name | BEERTECH 21 BOTTOMING OUT KIT |
|---------------------|-------------------------------|

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

| | |
|--------------------|--|
| Product Use | [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU0] Other; [PC35] Washing and cleaning products (including solvent based products); [PROC8a] Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities; [ERC8a] Wide dispersive indoor use of processing aids in open systems; |
| Description | Beer line cleaner. |

1.3. Details of the supplier of the safety data sheet

| | |
|--|--|
| Company | Chemisphere UK Ltd |
| Address | Unit 4 No 3 Richmond Road Trafford Park Manchester M17 1RE UK |
| Web | www.chemisphereuk.co.uk |
| Telephone | 0044 161 874 7200 |
| Fax | 0044 161 874 7201 |
| Email | contactus@chemisphereuk.co.uk |
| Email address of the competent person | wilfw@chemisphereuk.co.uk |

1.4. Emergency telephone number

| | |
|-----------------------------------|---|
| Emergency telephone number | 0044 776 724 8499 |
| Company | Chemisphere UK Ltd Monday - Friday 08:00 - 17:00 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|---|--|
| 2.1.1. Classification - 1999/45/EC | C; R35 Symbols: C: Corrosive. |
| Main hazards | Causes severe burns. |
| 2.1.2. Classification - EC 1272/2008 | Acute Tox. 4: H302; Skin Corr. 1A: H314; |

2.2. Label elements

Hazard pictograms



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2.2. Label elements

| | |
|--|--|
| Signal Word | Danger |
| Hazard Statement | Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. |
| Precautionary Statement: Prevention | P102 - Keep out of reach of children. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P101 - If medical advice is needed, have product container or label at hand. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 - Get medical advice/attention. P332+P313 - If skin irritation occurs: Get medical advice/attention. |
| Precautionary Statement: Storage | P405 - Store locked up. |
| Precautionary Statement: Disposal | P501 - Dispose of contents/container to local and national regulations |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---------------------------|--------------|------------|-----------|---------------------------|--------------|----------------|-----------|
| C6 alkyl glucoside | | 54549-24-5 | 259-217-6 | | 1 - 10% | Xi; R41 | |
| 2-ethylhexanol ethoxylate | | 26468-86-0 | | | 1 - 10% | Xi; R41 | |
| Potassium Hydroxide | 019-002-00-8 | 1310-58-3 | 215-181-3 | | 10 - 20% | Xn; R22 C; R35 | |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---------------------------|--------------|------------|-----------|---------------------------|--------------|--|-----------|
| C6 alkyl glucoside | | 54549-24-5 | 259-217-6 | | 1 - 10% | Eye Dam. 1: H318; | |
| 2-ethylhexanol ethoxylate | | 26468-86-0 | | | 1 - 10% | Eye Dam. 1: H318; | |
| Potassium Hydroxide | 019-002-00-8 | 1310-58-3 | 215-181-3 | | 10 - 20% | Acute Tox. 4: H302; Skin Corr. 1A: H314; | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|---|
| Inhalation | Move the exposed person to fresh air. Keep the affected person warm and at rest. Seek medical attention if irritation or symptoms persist. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Transfer to hospital for specialist examination. |
| Skin contact | Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist. |
| Ingestion | Do NOT induce vomiting. Drink 1 to 2 glasses of water. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible. |

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

| | |
|---------------------|--|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | Risk of serious damage to eyes. |
| Skin contact | Causes severe burns. |
| Ingestion | Ingestion causes burns to the respiratory tract. |

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4.3. Indication of any immediate medical attention and special treatment needed

Treat according to symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear self contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing and eye/face protection. Evacuate the area immediately.

6.2. Environmental precautions

For large spills: Do not allow product to enter drains. For small spills: Flush down the drain with plenty of water.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

For personal protection see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Wear suitable gloves and eye/face protection. Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle and open container with care. Ensure adequate ventilation of the working area. Do NOT mix with any other product.

7.2. Conditions for safe storage, including any incompatibilities

Keep locked up and out of the reach of children. Keep container tightly closed in a cool place. Keep only in original container.

7.3. Specific end use(s)

Beer line cleaning.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|---------------------|------------------------------|--------------------------------|
| Potassium Hydroxide | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m3: - |
| | WEL 15 min limit ppm: - | WEL 15 min limit mg/m3: 2 |
| | WEL 8-hr limit mg/m3 total - | WEL 15 min limit mg/m3 total - |
| | inhalable dust: | inhalable dust: |
| | WEL 8-hr limit mg/m3 total - | WEL 15 min limit mg/m3 total - |
| | respirable dust: | respirable dust: |

8.2. Exposure controls

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8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear suitable gloves and eye/face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|-------------------------------------|
| Appearance | Liquid |
| Colour | Yellow |
| Odour | Mild |
| pH | 13.8 |
| Melting point | No data available |
| Initial boiling point | No data available |
| Flash point | Not applicable. |
| Evaporation rate | No data available |
| Flammability (solid, gas) | Not applicable. |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | 1.17 (H ₂ O = 1 @ 20 °C) |
| Fat Solubility | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | Not applicable. |
| Viscosity | No data available |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |
| Freezing Point | No data available |
| Solubility | Soluble in water |

9.2. Other information

| | |
|---|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Gas group | Not applicable. |
| Benzene Content | Not applicable. |
| Lead content | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

No further information available.

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

10.5. Incompatible materials

Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-------------------------------|-----------------------|
| Acute toxicity | Harmful if swallowed. |
| Skin corrosion/irritation | Causes severe burns. |
| Serious eye damage/irritation | Causes severe burns. |
| Aspiration hazard | Causes severe burns. |

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Does not bioaccumulate.

Partition coefficient

| | | | |
|--|-------------------|----------------------------|-------------------|
| BEERTECH 21 BOTTOMING OUT KIT | No data available | Potassium Hydroxide | No data available |
|--|-------------------|----------------------------|-------------------|

12.4. Mobility in soil

Miscible in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Harmful to aquatic organisms. Toxic to fauna.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

Do not empty into drains; dispose of this material and its container in a safe way.

Disposal of packaging

Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.

Further information

Disposal together with normal waste is not allowed.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3266

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14.2. UN proper shipping name

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium Hydroxide)

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 8 |
| Subsidiary risk | - |
| IMDG | 8 |
| Subsidiary risk | - |
| IATA | 8 |
| Subsidiary risk | - |

14.4. Packing group

Packing group II

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant | No |

14.6. Special precautions for user

Warning! Corrosive substance.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

ADR/RID

| | |
|-----------------|-----|
| Hazard ID | 80 |
| Tunnel Category | (E) |

IMDG

EmS Code F-A S-B

IATA

| | |
|---------------------------------|------|
| Packing Instruction (Cargo) | 855 |
| Maximum quantity | 30 L |
| Packing Instruction (Passenger) | 851 |
| Maximum quantity | 1 L |

SECTION 15: Regulatory information

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

| | |
|-------------|--|
| Regulations | COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. |
|-------------|--|

15.2. Chemical safety assessment

Caution - substance not yet fully tested.

SECTION 16: Other information

Other information

| | |
|-----------------------------------|---|
| Revision | This document differs from the previous version in the following areas: 2 - Hazard pictograms. 2 - Precautionary Statement: Prevention. |
| Text of risk phrases in Section 3 | R22 - Harmful if swallowed. R35 - Causes severe burns. R41 - Risk of serious damage to eyes. |

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Other information**Text of Hazard Statements in Section 3**

Eye Dam. 1: H318 - Causes serious eye damage.
Acute Tox. 4: H302 - Harmful if swallowed.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.