SAFETY DATA SHEET
BACTERICIDAL HARD SURFACE CLEANER
According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: BACTERICIDAL HARD SURFACE CLEANER
Product No.: 601

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaning agent.

1.3. Details of the supplier of the safety data sheet
Supplier: Kitchenmaster NI Ltd
11 Comber Road
Belfast
BT8 8AN
Tel. 028 90814777
Fax. 028 90812881
email: sds@kitchenmaster-ni.com

1.4. Emergency telephone number
028 9081 4777
08:30 - 17:00 Monday to Thursday
08:30 - 16:30 Friday

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Environment:
The product contains a substance which is very toxic to aquatic organisms.

2.2. Label elements
Detergent Labelling:
< 5% phosphates
< 5% non-ionic surfactants
Contains Alkyl Dimethyl Benzyl Ammonium Chloride

Risk Phrases:
NC Not classified.

Safety Phrases:
P13 Safety data sheet available for professional user on request.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>ALCOHOL ETHOXYLATE-7 MOLE</th>
<th>&lt; 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.: 68131-39-5</td>
<td></td>
</tr>
<tr>
<td>EC No.:</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
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</thead>
<tbody>
<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn:R22.</td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td>Xi:R41.</td>
</tr>
<tr>
<td>Aquatic Acute 1 - H400</td>
<td>N:R50.</td>
</tr>
</tbody>
</table>
BACTERICIDAL HARD SURFACE CLEANER

Alkyl Dimethyl Benzyl Ammonium Chloride

| CAS-No.: 68989-00-4 | EC No.: |

Classification (EC 1272/2008) | Classification (67/548/EEC)
Acute Tox. 4 - H302 | Xn;R22.
Skin Corr. 1B - H314 | C;R34.
Aquatic Acute 1 - H400 | N;R50.

Classification (EC 1272/2008)
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

Classification (EC 1272/2008)
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

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
Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion
Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

Skin contact
Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye contact
Remove victim immediately from source of exposure. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention if any discomfort continues.

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

Inhalation.
Spray mists may cause respiratory tract irritation.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact
Prolonged contact may cause redness and irritation.

Eye contact
May irritate eyes.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIREFIGHTING MEASURES
5.1. Extinguishing media

Extinguishing media
The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
Not relevant

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
None under normal conditions.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

Specific hazards
The product is non-combustible. If heated, irritating vapours may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures
No specific fire fighting procedure given.

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer’s recommendations. Avoid spilling, skin and eye contact. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTYL GLYCOL</td>
<td>WEL</td>
<td>25 ppm</td>
<td>50 ppm</td>
<td>Sk</td>
</tr>
<tr>
<td>PROPAN-2-OL</td>
<td>WEL</td>
<td>400 ppm</td>
<td>999 mg/m3</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment
BACTERICIDAL HARD SURFACE CLEANER

Engineering measures
Provide adequate ventilation.

Respiratory equipment
No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection
For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection
Wear approved, tight fitting safety glasses where splashing is probable.

Hygiene measures
Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Appearance Liquid
Odour Characteristic.

9.2. Other information
Not determined.

SECTION 10: STABILITY AND REACTIVITY

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

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials To Avoid
No incompatible groups noted.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Aspiration hazard:
Inhalation
Spray mists may cause respiratory tract irritation.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact
Prolonged and frequent contact may cause redness and irritation.

Eye contact
Splashes may irritate.

   Toxicological information on ingredients.
**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product contains a substance which is very toxic to aquatic organisms.

### 12.1. Toxicity

**Ecological information on ingredients.**

**PROPAN-2-OL (CAS: 67-63-0)**

- **LC 50, 96 Hrs, Fish mg/l**
  - 4200 - 11130
- **EC 50, 48 Hrs, Daphnia, mg/l**
  - 13299
- **IC 50, 72 Hrs, Algae, mg/l**
  - > 1000

**ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)**

- **LC 50, 96 Hrs, Fish mg/l**
  - > 1

**BUTYL GLYCOL (CAS: 111-76-2)**

- **LC 50, 96 Hrs, Fish mg/l**
  - 530 - 3000
- **EC 50, 48 Hrs, Daphnia, mg/l**
  - 1698 - 1940

**Alkyl Dimethyl Benzyl Ammonium Chloride (CAS: 68989-00-4)**

- **LC 50, 96 Hrs, Fish mg/l**
  - 400

### 12.2. Persistence and degradability

**Degradability**

The surfactant(s) contained in this preparation 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
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility:
The product is soluble in water.

12.5. Results of PBT and vPvB assessment
Not determined.

12.6. Other adverse effects
Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable.

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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes
Workplace Exposure Limits EH40.

EU Legislation

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

**Revision Comments**

**Revision Date** 11-2011  
**Revision** 2  
**Supersedes date** 02-2008

**Risk Phrases In Full**
- **R34** Causes burns.  
- **R20/21/22** Harmful by inhalation, in contact with skin and if swallowed.  
- **R22** Harmful if swallowed.  
- **R11** Highly flammable  
- **R36/38** Irritating to eyes and skin.  
- **R36** Irritating to eyes.  
- **NC** Not classified.  
- **R41** Risk of serious damage to eyes.  
- **R67** Vapours may cause drowsiness and dizziness.  
- **R50** Very toxic to aquatic organisms.

**Hazard Statements In Full**
- **H318** Causes serious eye damage.  
- **H319** Causes serious eye irritation.  
- **H314** Causes severe skin burns and eye damage.  
- **H315** Causes skin irritation.  
- **H332** Harmful if inhaled.  
- **H302** Harmful if swallowed.  
- **H312** Harmful in contact with skin.  
- **H225** Highly flammable liquid and vapour.  
- **H336** May cause drowsiness or dizziness.  
- **H400** Very toxic to aquatic life.