SAFETY DATA SHEET
BACTERICIDAL DETERGENT
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 DETERGENT
Product No.: 804

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaning agent.
Uses advised against: No specific uses advised against are identified.

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

Human health: Prolonged skin contact may cause redness and irritation. Splashes in the eyes may cause redness and irritation.

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

2.2. Label elements
Detergent Labelling:
- 5 - < 15% non-ionic surfactants
- < 5% cationic surfactants
- Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC No 220-239-6, BENZALKONIUM CHLORIDE

Risk Phrases:
- NC Not classified.

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

2.3. Other hazards
PBT/vPvB assessment not undertaken.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>ALCOHOL ETHOXYLATE-7 MOLE</th>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.: 68131-39-5</td>
<td>EC No.:</td>
</tr>
</tbody>
</table>

Classification (EC 1272/2008):
- Acute Tox. 4 - H302
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400

Classification (67/548/EEC):
- Xn;R22.
- Xi;R41.
- N;R50.
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. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Skin contact
Prolonged skin contact may cause redness and irritation. 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. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. 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

Inhalation.
No specific symptoms noted.

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

Skin contact
Prolonged skin 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
During fire, toxic gases (CO, CO2) are formed.
BACTERICIDAL DETERGENT

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

Specific hazards
In case of fire, toxic gases 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

The product is not expected to be hazardous to the 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. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

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 contact with eyes. 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

Ingredient Comments
No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment

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.

Environmental Exposure Controls
Keep container tightly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1. Information on basic physical and chemical properties

**Appearance**  Liquid  
**Colour**  Yellow.  
**Odour**  Characteristic.  
**Solubility**  Soluble in water.  

**Initial boiling point and boiling range**  Not determined.  
**Melting point (°C)**  Not determined.  
**Relative density**  0.984 - 1.044 @ 20°C  
**Vapour density (air=1)**  Not determined.  
**Vapour pressure**  Not determined.  
**Evaporation rate**  Not determined.  
**pH-Value, Conc. Solution**  7.5 - 9.5  
**Viscosity**  Not determined.  
**Decomposition temperature (°C)**  Not determined.  
**Odour Threshold, Lower**  Not determined.  
**Odour Threshold, Upper**  Not determined.  
**Flash point**  Not determined.  
**Auto Ignition Temperature (°C)**  Not determined.  
**Flammability Limit - Lower(%)**  Not determined.  
**Flammability Limit - Upper(%)**  Not determined.  
**Partition Coefficient**  (N-Octanol/Water)  
Not determined.  
**Explosive properties**  Not considered to be explosive.  
**Oxidising properties**  Not determined.  

9.2. Other information

Not determined.

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**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**  
Not relevant

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

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**
Not determined.

**Acute Toxicity (Dermal LD50)**
Not determined.

**Acute Toxicity (Inhalation LC50)**
Not determined.

**Skin Corrosion/Irritation:**

Based on available data the classification criteria are not met.

**Serious eye damage/irritation:**

When assessed according to the AIS Guidelines For Irritancy Assessment this would not be considered to be classified as an eye irritant.

**Respiratory or skin sensitisation:**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity:**

Does not contain any substances known to be mutagenic.

**Carcinogenicity:**

Does not contain any substances known to be carcinogenic.

**Reproductive Toxicity:**

Does not contain any substances known to be toxic to reproduction.

**Specific target organ toxicity - repeated exposure:**

Not classified as a specific target organ toxicant after repeated exposure.

**Toxicological information on ingredients.**

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

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 1.6 mg/l (dust/mist) Rat 4 hours

REACH dossier information

**BENZALKONIUM CHLORIDE (CAS: 68381-01-5)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

150 mg/kg Mouse

Miscellaneous information sources.

**Acute Toxicity (Dermal LD50)**

1420 mg/kg Rat

Miscellaneous information sources.
**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

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

### 12.1. Toxicity

Ecological information on ingredients.

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

**Acute Toxicity - Fish**

LC50 96 hours 0.59 mg/l Pleuronectes platessa  
REACH dossier information

**Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 0.14 mg/l Daphnia magna  
REACH dossier information

**Acute Toxicity - Aquatic Plants**

EC50 72 hours 0.75 mg/l Selenastrum capricornutum  
REACH dossier information

#### BENZALKONIUM CHLORIDE (CAS: 68391-01-5)

**Acute Toxicity - Fish**

LC50 96 hours 0.31 mg/l Lepomis macrochirus (Bluegill)  
Miscellaneous information sources.

#### COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

**Acute Toxicity - Fish**

LC50 96 hours 5.4 mg/l Brachydanio rerio (Zebra Fish)  
IUCLID chemical data sheet.

**Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 2.39 mg/l Daphnia magna  
IUCLID chemical data sheet.

**Acute Toxicity - Aquatic Plants**

EC50 96 hours 2.3 mg/l Scenedesmus acutus  
IUCLID chemical data sheet.

### 12.2. Persistence and degradability

Degradability

The surfactant(s) contained in this preparation 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

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

### 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.

Transport Labels
No transport warning sign required.

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
Amendment to the relative density stated for the preparation/ mixture.

Revision Date 11-2012
Revision 4
Supersedes date 04-2012
### Risk Phrases in Full

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R34</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>R38</td>
<td>Irritating to skin.</td>
</tr>
<tr>
<td>NC</td>
<td>Not classified.</td>
</tr>
<tr>
<td>R41</td>
<td>Risk of serious damage to eyes.</td>
</tr>
<tr>
<td>R50</td>
<td>Very toxic to aquatic organisms.</td>
</tr>
</tbody>
</table>

### Hazard Statements in Full

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
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