

Product Bath & Tile Cleaner  
Revision Date 25/06/2015  
Revision 4  
Supersedes Date 01/04/2012

## SAFETY DATA SHEET



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

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#### 1.1. Product identifier

Product name Bath & Tile Cleaner  
Product code 107

#### 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  
028 9081477  
02890812881  
sales@kitchenmaster-ni.com  
Contact Person SDS Contact: sds@kitchenmaster-ni.com

#### 1.4. Emergency telephone number

Emergency Telephone Number: 028 9081 4777  
08:30 – 17:00 Monday to Thursday  
08:30 – 16:30 Friday

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### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1 Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.  
Human Health Not classified.  
Environment Not classified.

##### 2.1.2 Classification (1999/45/EEC)

Not classified.

#### 2.2. Label elements

##### 2.2.1 Label in Accordance With (EC) No. 1272/2008

Contains Not applicable  
Pictogram(s) No pictogram required  
Signal Word No signal word required  
Hazard Statements No hazard statements required  
Precautionary Statements No precautionary statements required

#### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

This product is a preparation.

### 3.2. Mixtures

| Product name  | Product identifier               | REACH Registration    | %     | Classification (1999/45/EEC)       | Classification (EC 1272/2008)  |
|---|----------------------------------|-----------------------|-------|------------------------------------|--|
| 2-BUTOXYETHANOL   | CAS: 111-76-2<br>EC: 203-905-0   | 01-2119475108-36-xxxx | 1-10% | Xn;R20/21/22<br>Xi;R36/38          | Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319 |
| Alcohols,C12 -15, ethoxylated   | CAS: 68131-39-5<br>EC: 500-195-7 |                       | 1-10% | Xn;R22.<br>Xi;R41.<br>N;R50.       | Acute Tox. 4 - H302<br>Eye Dam. 1 - H318<br>Aquatic Acute 1 - H400   |
| Citric acid   | CAS: 5949-29-1<br>EC: 201-069-1  |                       | 1-10% | Xi;R36.                            | Eye Irrit. 2 - H319  |
| COPPER SULPHATE   | CAS: 7758-99-8<br>EC:            |                       | < 1%  | Xn;R22.<br>Xi;R36/38.<br>N;R50/53. | Not classified.  |
| ETHANOL   | CAS: 64-17-5<br>EC: 200-578-6    | 01-2119457610-43-xxxx | 1-10% | F;R11                              | Flam. Liq. 2 - H225  |
| Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, □ chlorides | CAS:<br>EC: 939-350-2            | 01-2119970550-39-0000 | < 1%  | Xn;R22.<br>C;R34.<br>N;R50.        | Acute Tox. 4 - H302<br>Skin Corr. 1B - H314<br>Aquatic Acute 1 - H400  |
| SODIUM HYDROXIDE  | CAS: 1310-73-2<br>EC: 215-185-5  |                       | < 1%  | C;R35.                             | Skin Corr. 1A - H314   |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

The data shown is in accordance with the latest EC directives

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|                            |  |
|----------------------------|--|
| <b>General Information</b> | General first aid, rest, warmth and fresh air.   |
| <b>Inhalation</b>          | Provide rest, warmth and fresh air. Get medical attention if any discomfort continues  |
| <b>Ingestion</b>           | Rinse mouth thoroughly. Get medical attention if any discomfort continues.   |
| <b>Skin contact</b>        | Get medical attention if any discomfort occurs.  |
| <b>Eye contact</b>         | Do not rub eye. Immediately flush with plenty of water or eyewash solution for up to 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. .Obtain medical attention for all cases where eye contact occurs . |

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

|                     |                                    |
|---------------------|------------------------------------|
| <b>Inhalation</b>   | No specific symptoms noted.        |
| <b>Ingestion</b>    | May cause discomfort if swallowed. |
| <b>Skin contact</b> | No specific symptoms noted.        |
| <b>Eye contact</b>  | No specific symptoms noted.        |

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

Treat Symptomatically.

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### SECTION 5: FIREFIGHTING MEASURES

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#### 5.1. Extinguishing media

**Extinguishing Media** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### 5.2. Special hazards arising from the substance or mixture

|   |   |
|---|---|
| <b>Hazardous combustion products</b>        | When heated, toxic and corrosive vapours/gases may be formed. During fire, toxic gases (CO, CO <sub>2</sub> ) are formed. |
| <b>Unusual Fire &amp; Explosion Hazards</b> | No unusual fire or explosion hazards noted.   |
| <b>Specific hazards</b>                     | Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).  |

#### 5.3. Advice for firefighters

|   |   |
|---|---|
| <b>Special Fire Fighting Procedures</b>       | If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water. |
| <b>Protective equipment for fire-fighters</b> | Self contained breathing apparatus and full protective clothing must be worn in case of fire.   |

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. In case of inadequate ventilation, use respiratory protection.

#### 6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

#### 6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! When dealing with a spillage, please consult the section relating to suitable protective measures. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage.

#### 6.4. Reference to other sections

For waste disposal, see section 13.

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### SECTION 7: HANDLING AND STORAGE

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#### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Do not use contact lenses. Keep away from heat, sparks and open flame.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep upright. Do not mix with other chemicals. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store separate from other products which react with acids or bases and strong oxidising agents.

**7.3. Specific end use(s)****Usage Description**

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

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

| Name             | STD | TWA 8 Hrs |                        | STEL 15 Min |                     | Notes |
|------------------|-----|-----------|------------------------|-------------|---------------------|-------|
| ETHANOL          | OEL |           |                        | 1000 ppm    |                     |       |
|                  | WEL | 1000 ppm  | 1920 mg/m <sup>3</sup> |             |                     |       |
| SODIUM HYDROXIDE | OEL | -         |                        | -           | 2 mg/m <sup>3</sup> | -     |
|                  | WEL | No Std    | No Std                 | No Std      | 2 mg/m <sup>3</sup> |       |

**Ingredient Comments**

OEL - Occupational Exposure Limit - Ireland, Occupational Exposure Limits 2011  
WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits

**8.2. Exposure controls****8.2.1 Engineering measures**

Provide adequate ventilation.

**8.2.3 Protective equipment****Eye protection**

Avoid contact with Eyes

**Skin protection**

Hand protection not required

**Other protection**

None required.

**8.2.4 Hygiene measures**

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

**8.2.5 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**

|   |                          |
|---|--------------------------|
| a) Appearance                                   | Liquid                   |
| b) Colour                                       | Aqua                     |
| c) Odour  | No information available |
| d) pH-Value, Conc. Solution                     | 2.5                      |
| e) Melting point (°C)                           | No information available |
| f) Initial boiling point and boiling range (°C) | No information available |

|   |  |
|---|--|
| g) Flash point (°C)                       | No information available                 |
| h) Evaporation rate                       | No information available                 |
| i) Evaporation Factor                     | No information available                 |
| j) Flammability Limit - Lower(%)          | No information available                 |
| k) Flammability Limit - Upper(%)          | No information available                 |
| l) Vapour pressure                        | No information available                 |
| m) Vapour density (air=1)                 | No information available                 |
| n) Relative density                       | 1.008 +/- 0.002                          |
| o) Bulk Density                           | No information available                 |
| p) Solubility                             | No information available                 |
| q) Decomposition temperature (°C)         | No information available                 |
| s) Partition coefficient; n-octanol/water | No information available                 |
| t) Auto Ignition Temperature (°C)         | No information available                 |
| u) Viscosity                              | No information available                 |
| v) Explosive properties                   | Not considered to be explosive           |
| w) Oxidising properties                   | Does not meet the criteria for oxidising |

## 9.2. Other information

No information available

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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1. Reactivity

Reaction with Oxidisers.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

**Reaction with:** See section 10.1 for information on hazardous reactions.  
**Hazardous Polymerisation** Will not polymerise.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with oxidisers. Do not mix with other chemicals unless listed on directions. Avoid storing in large quantities or for long periods of time.

### 10.5. Incompatible materials

**Materials To Avoid** Avoid oxidising substances. Do not mix with other chemicals unless listed on directions.

### 10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

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**SECTION 11: TOXICOLOGICAL INFORMATION**


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**11.1. Information on toxicological effects****11.1.1 Toxicological Information**

No toxicological information for the overall finished product.

**Toxicological Information on ingredients**

| Name   | Identifier      | Acute Toxicity (Oral LD50)                           | Acute Toxicity (Dermal LD50)                         | Acute Toxicity (Inhalation LC50)                                    |
|--|-----------------|--|--|---|
| 2-BUTOXYETHANOL  | CAS: 111-76-2   | 1746 mg/kg Rat<br><br>REACH dossier information      | 0.63 mL/kg Rabbit<br><br>REACH dossier information   | 450 ppm (vapours) Rat 4 hours<br><br>REACH dossier information      |
| Alcohols,C12 -15, ethoxylated  | CAS: 68131-39-5 | > 5000 mg/kg Rat<br><br>REACH dossier information    | > 2000 mg/kg Rat<br><br>REACH dossier information    | > 1.6 mg/l (dust/mist) Rat 4 hours<br><br>REACH dossier information |
| Citric acid  | CAS: 5949-29-1  | 5200 mg/kg Rat<br><br>REACH dossier information      | > 2000 mg/kg Rat<br><br>REACH dossier information    | No information available  |
| COPPER SULPHATE  | CAS: 7758-99-8  | No information available                             | No information available                             | No information available  |
| ETHANOL  | CAS: 64-17-5    | No information available                             | No information available                             | No information available  |
| Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl,□ chlorides | CAS:            | No information available                             | No information available                             | No information available  |
| SODIUM HYDROXIDE   | CAS: 1310-73-2  | 325 mg/kg bw Rabbit<br><br>REACH dossier information | 1350 mg/kg Rabbit<br><br>IUCLID chemical data sheet. | No information available  |

**11.1.2 Acute toxicity:****Acute Toxicity (Oral LD50)**

No toxicological information for the overall finished product.

**Acute Toxicity (Dermal LD50)**

No toxicological information for the overall finished product.

**Acute Toxicity (Inhalation LC50)**

No toxicological information for the overall finished product.

**11.1.3 Skin Corrosion/Irritation:**

No specific symptoms noted.

**11.1.4 Serious eye damage/irritation:**

No specific symptoms noted.

**11.1.5 Respiratory or skin sensitisation:**

|                           |                                    |
|---------------------------|------------------------------------|
| Respiratory sensitisation | No specific symptoms noted.        |
| Skin sensitisation        | May cause discomfort if swallowed. |

**11.1.6 Germ cell mutagenicity:**

|                         |                           |
|-------------------------|---------------------------|
| Genotoxicity - In Vitro | No information available. |
| Genotoxicity - In Vivo  | No information available. |

**11.1.7 Carcinogenicity:**

|                 |                           |
|-----------------|---------------------------|
| Carcinogenicity | No information available. |
|-----------------|---------------------------|

**11.1.8 Specific target organ toxicity - single exposure:**

|                          |                           |
|--------------------------|---------------------------|
| STOT - Single exposure   | No information available. |
| STOT - Repeated exposure | No information available. |

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Ecotoxicity**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

**12.2. Toxicity**

No ecological toxicity available on the overall finished product.

**Ecological Information on ingredients**

| Name                          | Identifier      | Acute Toxicity – Aquatic Invertebrates                                    | Acute Toxicity – Aquatic Plants   | Acute Toxicity – Fish  |
|-------------------------------|-----------------|---|---|--|
| 2-BUTOXYETHANOL               | CAS: 111-76-2   | EC50 48 hours 1550 mg/l<br>Daphnia magna<br><br>REACH dossier information | EC50: 72 hr =911mg/l<br><br>NOEC :72hr= 88mg/l<br><br>Pseudokirchnerella subcapitata<br><br>REACH dossier information | LC50 96 hours 1474 mg/l<br>Onchorhynchus mykiss (Rainbow trout)<br><br>REACH dossier information |
| Alcohols,C12 -15, ethoxylated | CAS: 68131-39-5 | EC50 48 hours 0.14 mg/l<br>Daphnia magna<br><br>REACH dossier information | EC50 72 hours 0.75 mg/l<br>Senastrum capricornutum<br><br>REACH dossier information                                   | LC50 96 hours 0.59 mg/l<br>Pleuronectes platessa<br><br>REACH dossier information                |

|   |                |  |   |  |
|---|----------------|--|---|--|
| Citric acid   | CAS: 5949-29-1 | EC50 48 hours > 100 mg/l<br>Daphnia magna<br><br>NOEC 48 hours 56 mg/l<br>Daphnia magna<br><br>REACH dossier information | Toxicity threshold 192<br>hours 640 mg/l<br>Scenedesmus quadricauda<br><br>NOEC 192 hours 425 mg/l<br>Scenedesmus quadricauda<br><br>REACH dossier<br>information | LC50 48 hours 440 mg/l<br>Leuciscus idus (Golden<br>orfe)<br><br>REACH dossier<br>information            |
| COPPER SULPHATE   | CAS: 7758-99-8 | No information available   | No information available  | No information available   |
| ETHANOL   | CAS: 64-17-5   | No information available   | No information available  | No information available   |
| Quaternary ammonium<br>compounds, benzyl-C12-14<br>(even numbered)-<br>alkyldimethyl, □ chlorides | CAS:           | No information available   | No information available  | No information available   |
| SODIUM HYDROXIDE  | CAS: 1310-73-2 | EC50 48 hours 40.4 ug/L<br>Ceriodaphnia sp<br><br>REACH dossier information  | No information available  | LC50 96 hours 45.4 mg/l<br>Onchorhynchus mykiss<br>(Rainbow trout)<br><br>IUCLID chemical data<br>sheet. |

### 12.3. Persistence and degradability

**Degradability** The degradability of the product has not been stated.

### 12.4 Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.5. Mobility in soil

**Mobility:** The product is soluble in water.

### 12.6. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.7. Other adverse effects

None known.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.



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**SECTION 14: TRANSPORT INFORMATION**

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**14.1. UN number**

|                      |                |
|----------------------|----------------|
| UN No. (ADR/RID/ADN) | Not applicable |
| UN No. (IMDG)        | Not applicable |
| UN No. (ICAO)        | Not applicable |

**14.2. UN proper shipping name**

|                      |                |
|----------------------|----------------|
| Proper Shipping Name | Not applicable |
|----------------------|----------------|

**14.3. Transport hazard class(es)**

|                     |                |
|---------------------|----------------|
| ADR/RID/ADN         | Not applicable |
| ADR/RID/ADN Class   | Not applicable |
| ADR Label No.       | Not applicable |
| IMDG Class          | Not applicable |
| ICAO Class/Division | Not applicable |
| Transport Labels    |                |

**14.4. Packing group**

|                           |                |
|---------------------------|----------------|
| ADR/RID/ADN Packing group | Not applicable |
| IMDG Packing group        | Not applicable |
| ICAO Packing group        | Not applicable |

**14.5. Environmental hazards**

|  |     |
|--|-----|
| Environmentally Hazardous Substance/Marine Pollutant | No. |
|--|-----|

**14.6. Special precautions for user**

|                         |                |
|-------------------------|----------------|
| EMS                     | Not applicable |
| Emergency Action Code   | Not applicable |
| Hazard No. (ADR)        | Not applicable |
| Tunnel Restriction Code | Not applicable |

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

Not applicable

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**SECTION 15: REGULATORY INFORMATION**

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**15.1.1 EU Legislation**

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.1.2 Approved Code of Practice**

2014 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001)

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

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**SECTION 16: OTHER INFORMATION**

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**Indication of Changes****Revision Date** 25/06/2015**Revision** 4**Risk Phrases in Full** R34  
R35  
R20/21/22  
R22  
R36/38  
R36  
R41  
R50/53  
R50**Hazard Statements In Full** H318  
H319  
H314  
H315  
H332  
H302  
H312  
H225  
H400**Disclaimer**

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