

# MERLIN TOILET CLEANER DESCALER 037.005

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

### 1.1. Product identifier

Product name MERLIN TOILET CLEANER DESCALER  
Product No. 037.005

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

Identified uses Acidic descaling toilet cleaner

### 1.3. Details of the supplier of the safety data sheet

Oxford City Supplies t : 01865 722 104  
Unit 6 Centremead  
Osney Mead Industrial Est f : 01865 790 543  
Oxford e : sales@oxfordcitysupplies.com  
OX2 0ES  
United Kingdom

### 1.4. Emergency telephone number

01865 722 104

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (67/548/EEC) C;R34.

### 2.2. Label elements

Contains HYDROCHLORIC ACID  
Detergent Labelling: < 5% perfumes  
< 5% amphoteric surfactants  
< 5% non-ionic surfactants

Labelling



Corrosive (C)

Risk Phrases R34 Causes burns.  
Safety Phrases S25 Avoid contact with eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell  
Seek medical advice immediately (show label where possible).  
S51 Use only in well-ventilated areas.  
S2 Keep out of the reach of children.

### 2.3. Other hazards

No other hazards known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

|                         |                            |
|-------------------------|----------------------------|
| ETHOXYLATED FATTY AMINE | 1-5%                       |
| CAS-No.: 25307-17-9     | EEC (EINECS) No. 246-807-3 |

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|   |   |
|---|---|
| Classification (EC 1272/2008)<br>Acute toxicity, category 4 - Oral - H302<br>Skin corrosion, categories 1A, 1B, 1C - H314<br>Hazardous to the aquatic environment, acute, category 1 - H400 | Classification (67/548/EEC)<br>Xn;R22<br>C;R34<br>N;R50 |
|---|---|

HYDROCHLORIC ACID 5-10%  
CAS-No.: 7647-01-0 EEC (EINECS) No. 231-595-7

|   |  |
|---|--|
| Classification (EC 1272/2008)<br>Skin corrosion, categories 1A, 1B, 1C - H314<br>STOT***, single exposure, category 3 - Respiratory track irritation - H335 | Classification (67/548/EEC)<br>C;R34<br>Xi;R37 |
|---|--|

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

#### General information

|              |  |
|--------------|--|
| Inhalation   | Remove victim immediately from source of exposure., Provide rest, warmth and fresh air., Get medical attention if any discomfort continues.  |
| Ingestion    | Rinse mouth thoroughly., Drink plenty of water., DO NOT INDUCE VOMITING!, Get medical attention immediately!   |
| Skin contact | Immediately remove contaminated clothing., Rinse immediately with plenty of water., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues. |
| Eye contact  | Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes and get medical attention.  |

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

|              |   |
|--------------|---|
| Inhalation   | May cause damage to mucous membranes in nose, throat, lungs and bronchial system. |
| Ingestion    | Causes burns., Harmful if swallowed.  |
| Skin contact | Causes burns.   |
| Eye contact  | Causes burns., Risk of serious damage to eyes.                                    |

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

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

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

Hazardous combustion products

### 5.3. Advice for firefighters

|                                  |  |
|----------------------------------|--|
| Special Fire Fighting Procedures | Self contained breathing apparatus and full protective clothing must be worn in case of fire. Use special protective clothing. Regular protection may not be safe. |
|----------------------------------|--|

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For personal protection, see section 8.

### 6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

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

Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., Collect spillage in containers, seal securely and deliver for disposal according to local regulations., Inform Authorities if large amounts are involved.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes.

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

Store separated from: , Alkalis., Bleach/Sodium hypochlorite solutions.

### 7.3. Specific end use(s)

See product label for detailed usage and instructions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

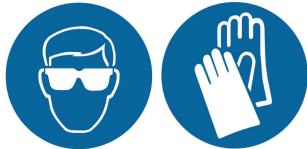
### 8.1. Control parameters

| Name              | STD | TWA - 8 Hrs  | STEL - 15 Min | Notes |
|-------------------|-----|--------------|---------------|-------|
| HYDROCHLORIC ACID |     | 1 ppm2 mg/m3 | 5 ppm8 mg/m3  |       |

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Hand protection

Use protective gloves.

Eye protection

Wear approved safety goggles.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet., Promptly remove any clothing that becomes contaminated., Wash promptly if skin becomes wet or contaminated., When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                          |                      |
|--------------------------|----------------------|
| Appearance               | Clear, Liquid        |
| Colour                   | Blue.                |
| Odour                    | Perfume.             |
| Relative density         | 1.030 - 1.040@ 20 °c |
| pH-Value, Conc. Solution | <1.0                 |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under normal temperature conditions.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

Will react violently with: , Strong alkalis., Earth metals such as sodium, potassium and barium., Reacts with bleach/sodium hypochlorite solutions producing toxic chlorine gas.

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## 10.5. Incompatible materials

Strong alkalis., Do not mix or use with other products., Sodium hypochlorite solutions (Bleach)

## 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

|                           |  |
|---------------------------|--|
| Toxicological information | No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request. |
| Inhalation                | May cause damage to mucous membranes in nose, throat, lungs and bronchial system.  |
| Ingestion                 | Causes burns., Harmful if swallowed.   |
| Skin contact              | Causes burns.  |
| Eye contact               | Causes burns., Risk of serious damage to eyes.   |

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

### 12.2. Persistence and degradability

|               |   |
|---------------|---|
| Degradability | The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004. |
|---------------|---|

### 12.3. Bioaccumulative potential

|                           |   |
|---------------------------|---|
| Bioaccumulative potential | The product does not contain any substances expected to be bioaccumulating. |
|---------------------------|---|

### 12.4. Mobility in soil

|           |   |
|-----------|---|
| Mobility: | The product contains substances, which are water soluble and may spread in water systems. |
|-----------|---|

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

|         |   |
|---------|---|
| General | Derogation for Limited Quantities may be applicable to appropriate pack sizes, please check relevant modal legislation. |
|---------|---|

### 14.1. UN number

|                      |      |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1789 |
| UN No. (IMDG)        | 1789 |
| UN No. (ICAO)        | 1789 |

### 14.2. UN proper shipping name

|                       |                            |
|-----------------------|----------------------------|
| Proper Shipping Name: | HYDROCHLORIC ACID SOLUTION |
|-----------------------|----------------------------|

## 14.3. Transport hazard class(es)

|                     |                                |
|---------------------|--------------------------------|
| ADR/RID/ADN Class   | 8                              |
| ADR/RID/ADN Class   | Class 8: Corrosive substances. |
| IMDG Class          | 8                              |
| ICAO Class/Division | 8                              |

Transport Labels



## 14.4. Packing group

|                           |     |
|---------------------------|-----|
| ADR/RID/ADN Packing group | III |
| IMDG Packing group        | III |
| ICAO Packing group        | III |

## 14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

## 14.6. Special precautions for user

Tunnel Restriction Code E

## SECTION 15: REGULATORY INFORMATION

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

|                           |  |
|---------------------------|--|
| UK Regulatory References  | The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.  |
| Environmental Listing     | Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.   |
| Statutory Instruments     | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., Control of Substances Hazardous to Health.   |
| Approved Code Of Practice | Classification and Labelling of Substances and Preparations Dangerous for Supply.  |
| Guidance Notes            | Workplace Exposure Limits EH40., CHIP for everyone HSG(108).<br>System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning 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, including amendments., 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. |
| EU Legislation            |  |
| National Regulations      | The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).   |

### 15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

## SECTION 16: OTHER INFORMATION

### General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

### Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

|               |            |
|---------------|------------|
| Revision Date | 11/02/2013 |
| Revision      | 13         |

Risk Phrases In Full R34 Causes burns., R37 Irritating to respiratory system.| R22 Harmful if swallowed., R34 Causes burns., R50 Very toxic to aquatic organisms.|

|                           |      |  |
|---------------------------|------|--|
| Hazard Statements In Full | H302 | Harmful if swallowed.                    |
|                           | H314 | Causes severe skin burns and eye damage. |
|                           | H335 | May cause respiratory irritation.        |
|                           | H400 | Very toxic to aquatic life.              |