

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name BlueOcean Heavy Duty Toilet Cleaner & Descaler  
Product No. B1104

**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**

BlueOcean  
Kimberley Business Park  
Blackness Lane  
Keston  
Kent  
BR2 6HL

Tel: 0845 383 0070  
Fax: 0845 383 0080  
Email: enquiries@blueocean-global.com

**1.4. Emergency telephone number**

Tel: 0845 383 0070

**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., This product does not contain any PBT or vPvB substances.

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

HYDROCHLORIC ACID		5-10%
CAS-No.: 7647-01-0	EEC (EINECS) No. 231-595-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin corrosion, categories 1A, 1B, 1C - H314	C;R34	
STOT***, single exposure, category 3 - Respiratory track irritation - H335	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**

Unsuitable extinguishing media

**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.

**6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

**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.

**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.
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**12.3. Bioaccumulative potential**

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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**12.4. Mobility in soil**

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

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

Not relevant

**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).  
 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.