



**SAFETY DATA SHEET**  
KNOCK OUT TOILET AND DRAIN UNBLOCKER

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Compilation date: 19/02/2015

Revision date: 24/10/2019

Revision No: 5

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** KNOCK OUT TOILET AND DRAIN UNBLOCKER

**Product code:** KOAKGEN

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

**Use of substance / mixture:** \* THIS PRODUCT IS A CORROSIVE PRODUCT UNDER UK OFFENSIVE WEAPONS ACT 2019 WHICH RESTRICTS SALE OR DELIVERY TO SOMEONE UNDER THE AGE OF 18 YEARS OLD. FOR INDUSTRIAL AND PROFESSIONAL USE ONLY. ACQUISITION, POSSESSION OR USE BY THE GENERAL PUBLIC IS RESTRICTED. For use in Outside Drains, Toilets and Urinals. Not to be used in shower trays, baths, basins, urinals or kitchen sinks. Unique Formula Identifier (UFI) in accordance with Commission Regulation (EU) No 2017/542. UFI: 9300-DOC1-X003-2197

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

**Company name:** J.V. Barrett & Co Ltd

St Ivel Way

Warmley

Bristol

BS30 8TY

United Kingdom

**Tel:** 01179600060

**Fax:** 01179352437

**Email:** [sales@barrettine.co.uk](mailto:sales@barrettine.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.) +44 (0) 1270 502891 (Out of hours emergency number)

**Section 2: Hazards identification**

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

**Classification under CLP:** Skin Corr. 1A: H314

[cont...]

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**Most important adverse effects:** Causes severe skin burns and eye damage.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Hazard pictograms:** GHS05: Corrosion



**Signal words:** Danger

**Precautionary statements:** \* P102: Keep out of reach of children.

P260: Do not breathe vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor.

P405: Store locked up.

P501: Dispose of contents/container to a hazardous or special waste collection point.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

SULPHURIC ACID - REACH registered number(s): 01-2119-458838-20-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-639-5	7664-93-9	-	Skin Corr. 1A: H314	70-98%

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

[cont...]

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**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** \* Corrosive burns may appear around the lips. There may be difficulty swallowing. Blood may be vomited. There may be bleeding from the mouth or nose. Severe poisoning can cause shock, unconsciousness and convulsions. May be fatal if swallowed and enters airways.

**Inhalation:** \* There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises. Speed of treatment is essential.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** \* Suitable extinguishing media for the surrounding fire should be used. Water spray. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Use water spray to cool containers.

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

**Exposure hazards:** Corrosive. In combustion emits toxic fumes of sulphur oxides.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** \* Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Contain the spread of the firefighting media. Do not allow run-off from firefighting to enter drains or water courses.

## Section 6: Accidental release measures

[cont...]

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

**Personal precautions:** \* If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Remove all incompatible materials as outlined in section 10 of SDS.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** \* Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** \* Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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

**Storage conditions:** \* Store in a cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity. Avoid incompatible materials and conditions - see section 10 of SDS.

**Suitable packaging:** \* Do not use steel containers. Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

[cont...]

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**SULPHURIC ACID...100%**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.05 mg/m <sup>3</sup>	-	-	-

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** \* Self-contained breathing apparatus must be available in case of emergency. If ventilation is insufficient suitable respiratory protection must be provided. Particle filter class P2SL (EN143). Particle filter class P3SL (EN143).

**Hand protection:** \* Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Impermeable gloves.

**Eye protection:** \* Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** \* Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Acid-resistant protective clothing. Ensure safety shower is to hand.

**Environmental:** \*

### Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless to Brown.

**Odour:** Mild

**Evaporation rate:** No data available.

**Oxidising:** \* Non-oxidising (by EC criteria)

**Solubility in water:** Miscible in all proportions

**Also soluble in:** Alcohols.

**Viscosity:** Non-viscous

**Boiling point/range°C:** ~ 200

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** >93

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** <0.001 mmHg @ 20 oC

**Relative density:** ~ 1.69

**pH:** <1

**VOC g/l:** No data available.

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### 9.2. Other information

**Other information:** No data available.

### Section 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** \* Hazardous reactions will not occur under normal transport or storage conditions.

#### 10.4. Conditions to avoid

**Conditions to avoid:** \* Heat. Sparks. Moisture.

#### 10.5. Incompatible materials

**Materials to avoid:** \* Strong bases. Water. Oxidising agents. Reducing agents. Organic materials.

#### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of sulphur oxides.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**SULPHURIC ACID...100%**

ORL	RAT	LD50	2140	mg/kg
VAPOURS	MUS	4H LC50	850	mg/m3

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

#### Symptoms / routes of exposure

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** \* Corrosive burns may appear around the lips. There may be difficulty swallowing. Blood may be vomited. There may be bleeding from the mouth or nose. Severe poisoning can cause shock, unconsciousness and convulsions. May be fatal if swallowed and enters airways.

[cont...]

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**Inhalation:** \* There may be shortness of breath with a burning sensation in the throat.  
Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### Section 12: Ecological information

#### 12.1. Toxicity

**Hazardous ingredients:**

**SULPHURIC ACID...100%**

ALGAE	72H ErC50	100	mg/l
DAPHNIA	48H EC50	100	mg/l
FISH	96H LC50	16-28	mg/l

#### 12.2. Persistence and degradability

**Persistence and degradability:** \* The product will degrade to its elemental form.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** \* No bioaccumulation potential.

#### 12.4. Mobility in soil

**Mobility:** Non-volatile. Soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Persistence (P-):**

**Persistence result:** not P-

**Bioaccumulation (B-):**

**Bioaccumulation result:** not B-

**Toxicity (T-):**

mg/l

**NOEC for marine or freshwater organisms:** >0.1

**Toxicity result:** not T-

**PBT identification:** This product is not identified as a PBT/vPvB substance.

#### 12.6. Other adverse effects

**Other adverse effects:** \* Toxic to aquatic organisms. Toxic to soil organisms.

### Section 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** \* Dispose of in a regulated landfill site or other method for hazardous or toxic

[cont...]

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wastes. Disposal of contaminated packaging as unused product unless fully cleaned.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### Section 14: Transport information

#### 14.1. UN number

UN number: UN1830

#### 14.2. UN proper shipping name

Shipping name: SULPHURIC ACID

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

Transport class: 8

#### 14.4. Packing group

Packing group: II

#### 14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

#### 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

### Section 15: Regulatory information

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

**Specific regulations:** \* THIS PRODUCT IS A CORROSIVE PRODUCT UNDER UK OFFENSIVE WEAPONS ACT 2019 AND RESTRICTS SALE OR DELIVERY TO SOMEONE UNDER THE AGE OF 18 YEARS OLD.

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### Section 16: Other information

#### Other information

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H314: Causes severe skin burns and eye damage.

**Legend to abbreviations:** PNEC = predicted no effect concentration

DNEL = derived no effect level

[cont...]



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LD50 = median lethal dose  
LC50 = median lethal concentration  
LDLO = lethal dose low  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
IPR = intraperitoneal  
SCU = subcutaneous  
ORL = oral  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
OPT = optical  
ING = ingestion  
INH = inhalation  
PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.