

Barrettine

SAFETY DATA SHEET Knock Out Drain Cleaner

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Knock Out Drain Cleaner
PRODUCT NO.	KOAKGEN
APPLICATION	Toilet & Drain Cleaner
SUPPLIER	Barrettine Barrettine Works St Ivel Way Warmley Bristol BS30 8TY 0117 960 0060 0117 935 2437 sales@barrettine.co.uk
EMERGENCY TELEPHONE	0870 190 6777

2 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
sulphuric acid	231-639-5	7664-93-9	70 - 90%	C;R35.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Contact with eyes can cause redness, severe irritation and pain. Corneal burns may occur and eyes may be permanently damaged .

INHALATION

Symptoms of inhalation include tightness of chest and shortness of breath. Exposure may cause coughing and wheezing Congestion of the lungs and loss of consciousness can occur. Remove victim immediately from source of exposure. Get immediate medical attention. Move injured person into fresh air and keep person calm under observation. If necessary, seek hospital and bring these instructions.

INGESTION

Ingestion may cause soreness and redness of the throat. The patient may have difficulty swallowing and corrosive burns may appear around the lips with nausea and stomach pain. Vomiting may occur.

Poisoning can cause shock, unconsciousness and convulsions and may prove fatal. Immediately rinse mouth and drink copious amounts of water to dilute the swallowed chemical. Keep the patient under observation. Do not induce vomiting. If vomiting occurs keep head low.

Transport patient to hospital immediately and take these instructions.

SKIN CONTACT

Remove affected person from source of contamination. Irritation or pain may occur at the site of skin contact, accompanied by blistering and severe burning. Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water.

Get medical attention if irritation develops.

Launder clothing and clean shoes thoroughly before re-use.

EYE CONTACT

Contact with eyes can cause redness, severe irritation and pain. Corneal burns may occur and eyes may be permanently damaged . Immediately remove victim from source of exposure.

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get immediate medical attention.

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5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Cool containers exposed to fire with water spray. Do not use high pressure water jet as this may spread burning material.

UNUSUAL FIRE & EXPLOSION HAZARDS

Corrosive gases/vapours/fumes of: Oxides of sulphur (SO₂, SO₃)

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing (see Section 8). Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Keep unnecessary people at a safe distance.

ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination. Prevent discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Neutralise spilled material with crushed limestone, soda ash or lime. Absorb in vermiculite, sand or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Provide good ventilation. Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly. Always add this product to water. Never add water to this product as heat will be generated and product may 'spit'.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with water.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests.

Seek advice from manufacturer or supplier.

Personal hygiene is a factor in effective hand care. Gloves should only be worn on clean hands. After using gloves hands should be washed and dried thoroughly and a non-perfumed moisturiser applied.

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EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless to Brown		
ODOUR	Mild		
SOLUBILITY	Miscible in all proportions. Soluble in Alcohol		
BOILING POINT (°C)	~200° C @ 80% H ₂ SO ₄	RELATIVE DENSITY	~1.69 @ 77% H ₂ SO ₄
pH-VALUE, CONC. SOLUTION	<1		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Reacts violently with water with the evolution of heat. Avoid oxidising agents, reducing agents, strong bases and organic materials.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Sulphurous gases (SO_x).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 > 2140 mg/kg (oral rat)

GENERAL INFORMATION

Corrosive to living tissue. See section 4 for symptoms. Danger of very serious irreversible effects if swallowed.

INHALATION

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause burns in mucous membranes, throat, oesophagus and stomach.

SKIN CONTACT

May cause serious chemical burns of the skin.

EYE CONTACT

Causes burns. Risk of corneal damage.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

This preparation is readily biodegradable and is not expected to be hazardous to the environment.

LC 50, 96 Hrs, FISH mg/l 42

EC 50, 48 Hrs, DAPHNIA, mg/l 29

MOBILITY

The product is soluble in water. The product is non-volatile.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADABILITY

Biodegradable. Discharge of large amounts causes changes in pH which may affect effluent and sewage treatment processes.

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ACUTE FISH TOXICITY

Discharge of large quantities may kill fish and other aquatic life due to excessive changes in water pH.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

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

DISPOSAL METHODS

Product is intended as a household drain cleaner. Small quantities may be disposed of by emptying into the drain whilst carefully flushing away with running water.

Larger quantities should be disposed of in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	Sulphuric Acid		
UN NO. ROAD	1830	UK ROAD PACK GR.	II
ADR CLASS	Class 8: Corrosive substances.	ADR LABEL NO.	8
HAZCHEM CODE	2P	MARINE POLLUTANT	No.

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS	sulphuric acid	
RISK PHRASES	R35	Causes severe burns.
SAFETY PHRASES	S1/2	Keep locked up and out of the reach of children.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S30	Never add water to this product.

EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 No. 1689. (CHIP3)

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2007)

APPROVED CODE OF PRACTICE

Control of substances hazardous to health - Approved Code of Practice and Guidance L5 (2005) HSE Books.

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GUIDANCE NOTES

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION COMMENTS

New format SDS.

REV. NO./REPL. SDS 1

GENERATED

DATE 17-Apr-08

RISK PHRASES IN FULL

R35 Causes severe burns.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.