

REVISION DATE: 03-12-2004



Woodman Hill Ltd

**SAFETY DATA SHEET**  
**KNOCK OUT DRAIN CLEANER**

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

PRODUCT NAME                    KNOCK OUT DRAIN CLEANER  
 PRODUCT NO.                    KOAKGEN  
 APPLICATION                    A Sulphuric acid based drain cleaner.  
 SUPPLIER                        Woodman Hill Limited  
                                       Chiltern Estate, Imperial Way  
                                       Watford  
                                       Hertfordshire  
                                       WD24 4YX  
                                       Tel. 01923 233977  
                                       Fax. 01923 235941

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
SULPHURIC ACID ...%	231-639-5	7664-93-9	60-100%	C;R35

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

**3 HAZARDS IDENTIFICATION**

Causes severe burns.

CLASSIFICATION                    C;R35.

**4 FIRST-AID MEASURES****GENERAL INFORMATION**

Following inhalation of mists and vapour, patients should be kept under observation because of the possibility of delayed pulmonary oedema.

**INHALATION**

Move the exposed person to fresh air at once. Get medical attention.

**INGESTION**

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately!

**SKIN CONTACT**

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention immediately.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Do not use water on fires in the vicinity of sulphuric acid.

**SPECIFIC HAZARDS**Fire or high temperatures create: Sulphurous gases (SO<sub>x</sub>).**PROTECTIVE MEASURES IN FIRE**

Wear self-contained breathing apparatus and full protective clothing.

## KNOCK OUT DRAIN CLEANER

### 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow spilled material to enter drains or water courses.

**SPILL CLEAN UP METHODS**

**DO NOT TOUCH SPILLED MATERIAL!** Wear necessary protective equipment. Small spill: Absorb spillage with suitable absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area with plenty of water. Larger spill: Absorb with inert material and place in secure containers. Cautiously dilute residue with plenty of water and neutralise with soda ash or hydrated lime. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

**STORAGE CLASS**

Corrosive storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
SULPHURIC ACID ...%	OES		0.3 mg/m3		

**INGREDIENT COMMENTS**

OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protector must be used if the general level exceeds the Recommended Occupational Exposure Limit.

**HAND PROTECTION**

Use protective gloves made of: Butyl rubber, or Viton rubber (fluor rubber).

**EYE PROTECTION**

Use approved 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 pale yellow		
ODOUR	Odourless		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	380 760 mm Hg	MELTING POINT (°C)	-15

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RELATIVE DENSITY	1.84 20°C	VAPOUR DENSITY (air=1)	-
VAPOUR PRESSURE	-	VAPOUR PRESSURE	-
EVAPORATION RATE	-	pH-VALUE, CONC. SOLUTION	-
VISCOSITY	-		

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### 10 STABILITY AND REACTIVITY

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#### STABILITY

Stable under normal temperature conditions.

#### CONDITIONS TO AVOID

May liberate flammable gas (hydrogen) in contact with metals. Reacts vigorously with water generating heat. Strong oxidising agent. May cause ignition in contact with combustible materials, nitrates, chlorates and metal powders.

#### MATERIALS TO AVOID

Most metals, alkaline materials and strong oxidising or reducing agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Sulphurous gases (SO<sub>x</sub>).

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### 11 TOXICOLOGICAL INFORMATION

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#### INHALATION

Inhalation of mists may result in severe burns to the respiratory tract. May cause pulmonary oedema with onset of symptoms delayed by several days.

#### INGESTION

Causes severe burns. May cause chemical burns in mouth, oesophagus and stomach. Nausea, vomiting. Diarrhoea.

#### SKIN CONTACT

Causes severe burns.

#### EYE CONTACT

Causes severe burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

#### HEALTH WARNINGS

Causes severe burns.

**RESPIRATORY SYSTEM.** Serious damage to the lining of nose, throat and lungs. Swallowing concentrated chemical may cause severe internal injury.

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### 12 ECOLOGICAL INFORMATION

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#### ECOTOXICITY

pH above acceptable limits for discharge. The product can be expected to be toxic to the aquatic environment.

#### MOBILITY

Soluble in water but may layer out.

#### BIOACCUMULATION

Product is not expected to bioaccumulate

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### 13 DISPOSAL CONSIDERATIONS

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#### DISPOSAL METHODS

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

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### 14 TRANSPORT INFORMATION

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UK ROAD CLASS

8

PROPER SHIPPING NAME

SULPHURIC ACID

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### KNOCK OUT DRAIN CLEANER

14 TRANSPORT INFORMATION		UN NO. ROAD	1830
UK ROAD PACK GR.	II	ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.	ADR PACK GROUP	II
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2P	CEFIC TEC(R) NO.	80GC1-II+III
RID CLASS NO.	8	RID PACK GROUP	II
UN NO. SEA	1830	IMDG CLASS	8
IMDG PAGE NO.	8	IMDG PACK GR.	II
EMS	F-A, S-B	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1830
ICAO CLASS	8	AIR PACK GR.	II

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### 15 REGULATORY INFORMATION

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#### LABELLING



Corrosive

#### RISK PHRASES

R35 Causes severe burns.

#### SAFETY PHRASES

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).  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S60 This material and its container must be disposed of as hazardous waste.

#### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

#### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

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### 16 OTHER INFORMATION

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REV. NO./REPL. SDS GENERATED 003  
SDS NO. \*ADD DATA\*  
RISK PHRASES IN FULL  
R35 Causes severe burns.