



SAFETY DATA SHEET

KNOCKOUT KITCHEN AND BATHROOM CLEANER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME KNOCKOUT KITCHEN AND BATHROOM CLEANER

APPLICATION Cleaning agent for unblocking waste pipes

SUPPLIER Woodman Hill Limited
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	10-30%	C;R35
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE	231-668-3	7681-52-9	< 1%	C;R34 R31 N;R50

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

INHALATION

Not applicable under normal conditions of use. Corrosive to the mucous membrane. Prolonged inhalation of mists may cause lung inflammation. May be harmful if inhaled. Remove victim immediately from source of exposure. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped.

INGESTION

Corrosive burns may appear around the lips. May cause throat burns. Nausea and stomach pain may occur. There may be vomiting and diarrhoea. Ingestion may prove fatal. If conscious, wash the mouth out with water, Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

SKIN CONTACT

There may be redness or whiteness of the skin in the area of exposure. Blistering may occur. Severe burns may occur. Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Chemical burns must be treated by a physician.

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. There may be pain and redness. There may be severe pain. Corneal burns may occur. Risk of serious damage to eyes.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIAL FIRE FIGHTING PROCEDURES

Cool containers exposed to flames with water until well after the fire is out.

UNUSUAL FIRE & EXPLOSION HAZARDS

Heating above decomposition temperatures may release toxic fumes of Chlorine.

KNOCKOUT KITCHEN AND BATHROOM CLEANER**PROTECTIVE MEASURES IN FIRE**

Wear self-contained breathing apparatus and full protective clothing.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear suitable protective clothing as specified under section 8 of this safety data sheet - Exposure Controls and Personal Protection.

ENVIRONMENTAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Flush area with plenty of water. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Dispose of in accordance with Local Authority Regulations via a licenced waste carrier.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Keep containers tightly closed. Store separated from: Acids. Keep away from food, drink and animal feeding stuffs. Keep above the chemical's freezing point. Unsuitable containers: aluminium.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
SODIUM HYDROXIDE	WEL				2 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash, quick drench.

ENGINEERING MEASURES

No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

RESPIRATORY EQUIPMENT

Not normally required under normal conditions of use. Wear suitable respiratory protection when aerosols or mist are present.

HAND PROTECTION

Use full-length gloves. Use protective gloves made of: Neoprene. Butyl rubber. Polyvinyl chloride (PVC).

EYE PROTECTION

Wear full-face visor or 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

KNOCKOUT KITCHEN AND BATHROOM CLEANER

APPEARANCE	Liquid		
COLOUR	Colourless to pale yellow		
ODOUR	Fresh. Clean. Citrus		
SOLUBILITY	Soluble in water		
RELATIVE DENSITY	1.1	pH-VALUE, DILUTED SOLUTION	>14 @ 1 %
FLASH POINT (°C)	N/A		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat. Avoid frost.

MATERIALS TO AVOID

Acids. Oxidising agents. Aluminium, Iron

HAZARDOUS DECOMPOSITION PRODUCTS

May liberate toxic fumes of Chloroine when heated above decomposition temperature.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 SODIUM HYDROXIDE - 40 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50 SODIUM HYPOCHLORITE - 5800 mg/kg (oral rat)

INHALATION

Inhalation may result in severe burns to the respiratory tract.

INGESTION

Causes severe burns. May cause chemical burns in mouth and throat. Ingestion may result in perforation of the oesophagus, vomiting blood, diarrhoea, shock, haemolysis and haemoglobinuria.

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.

ROUTE OF ENTRY

Ingestion. Skin absorption.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

There is no data at present but expected to be toxic to aquatic systems. DO not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided. Large doses causes high pH which may affect effluent and sewage treatment processes. Discharge of large quantities may kill fish and other aquatic life due to increase in pH.

MOBILITY

The product is non-volatile. Water soluble.

BIOACCUMULATION

No specific data available. Product is not expected to bioaccumulate

DEGRADABILITY

No data available. The product is expected to be biodegradable.

ACUTE FISH TOXICITY

Concentrations greater than 10ppm or a pH value above 10.5 may be fatal to fish and other aquatic organisms.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Contaminated must not be treated as household waste. Where practical containers and packaging should be recycled by a licenced contractor.

KNOCKOUT KITCHEN AND BATHROOM CLEANER

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	CAUSTIC ALKALI LIQUID, N.O.S.		
UN NO. ROAD	1719	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	2R
CEFIC TEC(R) NO.	80GC5-II+III	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	1719
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	1719	AIR CLASS	8
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS SODIUM HYDROXIDE

RISK PHRASES

R35 Causes severe burns.

SAFETY PHRASES

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.

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).

S60 This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

ISSUED BY

Chris Hayward

REVISION DATE 10-12-2005

REV. NO./REPL. SDS GENERATED 001

SDS NO. ADD DATA

KNOCKOUT KITCHEN AND BATHROOM CLEANER

RISK PHRASES IN FULL

R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R35	Causes severe burns.
R50	Very toxic to aquatic organisms.