

**Official  
Material Safety  
Data Sheet (MSDS)**

This MSDS version supersedes all previous MSDS for the specified product.



**ABLE WESTCHEM**

CODE: WC430  
ISSUE DATE: 2010 JUNE  
ISSUED BY: TM  
VERSION: 1.10  
PAGE: 1 of 3

**CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**

**IDENTIFICATION**

**Product name:** DRAIN KLEEN  
**Product code:** WC430  
**Use:** Highly alkaline general chemical for various uses including cleaning and neutralising.  
**Supplier:** Able Westchem, 47 BANKSIA ST, WELSHPOOL, Perth, WA, 6106  
**Contact person:** Technical Manager  
**Telephone:** (08) 9458 1604

**HAZARDS IDENTIFICATION**

**UN No:** 1824                      **Hazchem Code:** 2R  
**DG Class:** Class 8              **Poisons Schedule:** S6  
**Risk Phrase(s):** Causes severe burns.  
Risk of serious damage to eyes.  
**Safety Phrase(s):** Keep out of reach of children.  
In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.  
Wear suitable gloves and eye/face protection.

**INGREDIENTS**

Chemical name	CAS No.	Proportion
Sodium hydroxide	[1310-73-2]	> 60 %
Ingredients determined not to be hazardous	-	< 10 %
Water	[7732-18-5]	Balance

**FIRST AID & HEALTH HAZARD INFORMATION**

**Swallowed:** Rinse mouth out with water. Give water to drink. DO NOT induce vomiting. Seek medical attention.  
**Eye:** Hold eye open and flood with water for at least 15 minutes. Seek medical attention.  
**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Launder clothing before re-use. Seek medical advice if effects persist.  
**Inhalation:** Remove patient to fresh air. Keep warm and at rest. If breathing has stopped apply artificial respiration. Seek medical attention immediately.  
**Advice to Doctor:** Treat symptomatically as for strongly alkaline corrosive material.

**FIRE FIGHTING MEASURES**

**Flammability:** Not Flammable  
**Extinguishing Media:** Use water fog or fine water spray to fight fires.  
**Hazards:** Will react with soft metals, liberating potentially flammable and explosive hydrogen gas.  
**Special precautions:** This material is a base and reacts violently with acids. It is corrosive to aluminium, zinc, tin and galvanised materials.  
**HAZCHEM:** Not Relevant

**ACCIDENTAL RELEASE MEASURES**

**- NO UNAUTHORISED COPIES PERMITTED -**

PROUDLY AUSTRALIAN OWNED & MANUFACTURED BY ABLE WESTCHEM  
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**Emergency Procedures:** CAUTION - spillages are slippery.  
**Method & Materials for:** Clean up immediately. Mop up, or use absorbent (soil, sand, sawdust, inert  
**cleanup** material, vermiculite). Collect and seal in properly labelled drums for disposal. Wash area down with excess water. Small spills may be diluted and washed to drain with water. Neutralise if necessary with dilute acid (e.g. vinegar).

**HANDLING & STORAGE**

**Storage and Transport:** This product is categorised as a Class 8 Corrosive substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Other Information:** None

**EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure standards:** TWA (sodium hydroxide): 2 mg/m<sup>3</sup> - Worksafe Australia  
The TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level day after day, without adverse effect. These exposure standards are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These exposure standards should not be used as fine lines between safe and dangerous concentrations.

**Engineering controls:** Natural ventilation. Avoid generating or inhaling mists or aerosols.

**Personal protection:** Avoid contact with skin and eyes. Wear safety glasses and impervious gloves. Avoid inhaling spray mists.

**PHYSICAL & CHEMICAL PROPERTIES**

**Appearance and odour:** Clear colourless liquid; virtually odourless.

**Solubility in water:** Completely soluble

**Boiling point:** > 100 °C

**Specific gravity:** 1.50 ± 0.02

**Vapour pressure:** Approx. 18 mm Hg at 25 °C

**pH:** N/A – Extremely Alkaline

**Flash point:** Not applicable

**STABILITY & REACTIVITY**

**Chemical stability:** Stable

**Conditions to avoid:** Avoid strong acids and oxidising agents

**Incompatible materials:** This material is a base and reacts violently with acids. It is corrosive to aluminium, zinc, tin and galvanised materials.

**Hazardous decomposition products:** Hydrogen gas

**Hazardous reactions:** This material is a base and reacts violently with acids.

**TOXICOLOGICAL INFORMATION**

**Swallowed:** Highly corrosive. Produces burning in the mouth, throat and gullet. May cause nausea, vomiting, abdominal pain, oedema (swelling of larynx) with subsequent suffocation, coma and cardiovascular collapse.

**Eye:** A severe eye irritant. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.

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**Skin:** Highly corrosive to skin. Irritant dermatitis may result from contact with this material. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no immediate pain thus contamination of gloves or boots can be very damaging.

**Inhalation:** Not considered a feature of normal use. Inhalation of sprays or mists will result in respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.

**Chronic effects:** Repeated or prolonged skin contact can cause chronic dermatitis.

**Toxicity data:** Data for sodium hydroxide:  
Lethal dose (rabbit, oral): 500 mg/kg  
Severe irritant (rabbit, dermal): 500 mg / 24 hr  
Severe irritant (rabbit, eye): 1 mg / 30 sec rinse

**ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not determined  
**Persistence & degradability:** No Surfactants are used  
**Mobility:** Not determined

**DISPOSAL CONSIDERATIONS**

**Disposal methods:** CAUTION - spillages are slippery. Avoid accidents, clean up immediately. Isolate leaking containers and stop leak if safe to do so. Use absorbent (soil, sand, sawdust, inert material, vermiculite). Collect and seal in properly labelled drums for disposal. Wash area down with excess water. Neutralise if necessary with dilute acid (e.g. vinegar).

**Disposal containers:** Sealed containers

**Special precautions in landfills or incineration:** None

**TRANSPORT INFORMATION**

**UN number:** 1824  
**UN Proper shipping name:** Sodium Hydroxide Solution  
**Class & Subsidiary risk:** Class 8  
**Packing Group:** II  
**Special precautions:** None  
**Hazchem Code:** 2R

**REGULATORY INFORMATION**

**Regulatory Status** SUSDP Poison Schedule: S6.  
NOHSE (Worksafe): Hazardous

