



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: **ULTRACLEAN**

OTHER NAMES: CAUSTIC ALKALI LIQUIDS, N.O.S.  
(CONTAINS POTASSIUM HYDROXIDE)

MANUFACTURES PRODUCT CODE:

RECOMMENDED USE: Multipurpose cleaner.

SUPPLIER NAME: LAB 6 PTY LTD  
ACN 003 252 515

ADDRESS: UNIT 17B 1 ENDEAVOUR RD  
CARINGBAH NSW 2229

TELEPHONE NUMBER: (02) 9525 6322

FACSIMILE NUMBER: (02) 9540 2616

EMERGENCY TELEPHONE NUMBER: (02) 9525 6322 (Monday - Friday, 8.00 am - 5.00 pm)

## 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION HAZARDOUS SUBSTANCE. DANGEROUS GOOD.

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF SAFE WORK AUSTRALIA  
CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

RISK PHRASES R34 Causes burns.

SAFETY PHRASES S1/2 Keep locked up and out of reach of children.  
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.  
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 the label whenever possible.)

POISONS SCHEDULE S5 POISON

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENTS:                        | PROPORTION: | CAS NUMBER: |
|-------------------------------------|-------------|-------------|
| NON HAZARDOUS INGREDIENTS           | > 60%       |             |
| POTASSIUM HYDROXIDE                 | < 10%       | 1310-58-3   |
| ALKALINE SALTS                      | < 5 %       |             |
| PROPYLENE GLYCOL MONOBUTYL ETHER    | < 5 %       | 5131-66-8   |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER | < 5 %       | 34590-94-8  |
| ETHANOLAMINE                        | < 5 %       | 141-43-5    |
| DISODIUM METASILICATE               | < 5%        | 6834-92-0   |

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

SWALLOWED: If swallowed, do NOT induce vomiting.

EYE: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop



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by the Poisons Information Centre or a doctor, or for at least 15 minutes.

**SKIN:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

**INHALED:** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

## MEDICAL ATTENTION AND SPECIAL TREATMENT

Treat symptomatically. Can cause corneal burns.

## 5. FIRE FIGHTING MEASURES

### SUITABLE EXTINGUISHING MEDIA

Not combustible. If material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

### HAZARDS FROM COMBUSTION PRODUCTS

Not combustible. Decomposes on heating emitting toxic fumes.

### SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

HAZCHEM CODE: 2R

## 6. ACCIDENTAL RELEASE MEASURES

### EMERGENCY PROCEDURES

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

**SMALL SPILLS:** Slippery when spilt. Avoid accidents, clean up immediately. Wipe up with rag or absorbent paper.

**LARGE SPILLS:** Slippery when split. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain using sand or soil. Prevent run off into drains or waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Keep out of reach of children. Avoid skin and eye contact and breathing in vapour. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

### CONDITIONS FOR SAFE STORAGE

This product is a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations. Store in a cool, dry, well ventilated place out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use. Check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE STANDARDS:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC).

Exposure Standards for constituents:



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Potassium Hydroxide  
Dipropylene Glycol Monomethyl Ether  
Ethanolamine

Peak Limitation = 2 mg/m<sup>3</sup>  
8hr TWA = 308 mg/m<sup>3</sup> (50 ppm), Sk  
8hr TWA = 7.5 mg/m<sup>3</sup> (3 ppm), 15 min STEL = 15 mg/m<sup>3</sup> (6 ppm)

As published by the National Occupational Health and Safety Commission (NOHSC).

TWA - The time-weighted average airborne concentration over a normal eight-hour working day, for a five-day working week over an entire working life

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour working day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Sk Notice - Absorption through the skin may be significant source of exposure. The exposure standard is invalidated if such contact would occur.

Peak Limitation - a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

## BIOLOGICAL LIMIT VALUES

None allocated.

## ENGINEERING CONTROLS:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and inhaling mists. If inhalation risk exists use with local exhaust ventilation or while wearing suitable mist respirator. Keep containers closed when not in use.

## PERSONAL PROTECTIVE EQUIPMENT (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

**MANUFACTURE, PACKAGING AND TRANSPORT:** Wear clean overalls, safety boots, general purpose gloves (PVC) and safety spectacles. Use with adequate ventilation. If risk of inhalation exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

**FOR CONSUMER USE:** Avoid contact with eyes and skin and breathing in vapour. Use with adequate ventilation. Wear eye protection, rubber gloves and protective footwear. Wash hands after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                        |                      |
|------------------------|----------------------|
| Appearance:            | Clear yellow liquid. |
| Odour:                 |                      |
| pH:                    | 13.0                 |
| Vapour Pressure:       | Not Available        |
| Vapour Density:        | Not Available        |
| Boiling Point / Range: | Not Available        |
| Solubility in Water:   | Miscible in water.   |
| Specific Gravity:      | 1.1                  |
| Flashpoint:            | Not Applicable       |
| Flammability Limits:   | Not Applicable       |
| Ignition Temperature:  | Not Applicable       |



## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions of use.

**CONDITIONS TO AVOID:** Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.

**INCOMPATIBLE MATERIALS:** Incompatible with acids and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

**HAZARDOUS REACTIONS:** Reacts with acids.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if this product is mishandled and overexposure occurs are:

### ACUTE EFFECTS

**SWALLOWED:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**EYE:** A severe eye irritant. Corrosive to eyes. Contact can cause corneal burns. Contamination of eyes can result in permanent injury.

**SKIN:** Contact with the skin can result in severe irritation. Corrosive to skin. May cause skin burns. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**INHALED:** Breathing in mists may produce respiratory irritation.

### CHRONIC HEALTH EFFECTS

No information available for the product.

### TOXICITY

No LD50 available for product.

Oral LD50 (rat): 273 mg/kg (Potassium Hydroxide)

SKIN: Severe irritant (human) (Potassium Hydroxide)

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Avoid contaminating waterways.

**PERSISTENCE AND DEGRADABILITY:** No data available

**MOBILITY:** No data available

## 13. DISPOSAL CONSIDERATIONS

### DISPOAL METHODS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Product must be contained and not disposed to sewerage systems, drains or waterways.

### SPECIAL PRECATIONS FOR LANDFILL OR INCINERATION

Decontamination and destruction of containers should be considered.



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## 14. TRANSPORT INFORMATION

Classified as a Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN Number: 1719  
UN Proper Shipping Name: CAUSTIC ALKALI LIQUIDS, N.O.S.  
Class: 8 Corrosive  
Subsidiary Risk:  
Packaging Group: II  
Hazchem Code: 2R  
EPG: 37

## 15. REGULATORY INFORMATION

HAZARD CLASSIFICATION HAZARDOUS SUBSTANCE. DANGEROUS GOOD.

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POISONS SCHEDULE S5 POISON

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

This Material Safety Data Sheet summarises at the date of issue our best knowledge of the health and safety hazard information of the product in the workplace. Since Lab 6 Pty. Ltd. cannot anticipate or control the conditions under which this product may be used, each user must, prior to usage, review this Material Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Lab 6 Pty. Ltd. will not be responsible for damages of any nature resulting from use of or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Commonwealth, State or Territory legislation.

DATE OF ISSUE: JULY 2012

REASONS FOR ISSUE: General update and revision

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