CHEMI-BRUSH CLEANING PRODUCTS

Janitorial Products Division

Material Safety Data Sheet

537CC CHLORINE CLEANER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Chlorine Cleaner
Other Names: N/A
Manufacturers Product Code: 537 CC
Product Use: Heavy Duty General Purpose Cleaner.

COMPANY DETAILS:
Company: C.W.B. Investments Pty Ltd. **ABN 82 034 025 965**
Address: Head Office - 67 Southern Road, Mentone, Vic. 3194
Telephone: 03 9583 4611 Facsimilie: 03 9583 0154
Albury – Pakstat Pty Ltd - Cnr Hume & Kiewa Streets, Albury. NSW 2641
Telephone: 02 6041 2700 Facsimilie: 02 6041 2702

Emergency Telephone No. Poisons Information Centre: **13 1126**
(24 hours a day)

2. HAZARDS IDENTIFICATION

Hazardous according to criteria of Worksafe Australia.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS No	PROPORTION
Sodium hydroxide	1310-73-2	< 10%
Sodium lauryl ether sulphate	13150-00-0	5-10%
Coco diethanolamine	68603-42-9	< 10%
Sodium Chloride	7647-14-5	< 5%
Hydrochloric Acid	7647-01-0	< .3%
Sodium hypochlorite	7681-52-9	< 10%
Water	7732-18-5	Balance

4. FIRST AID MEASURES

Swallowed: If swallowed DO NOT INDUCE VOMITING. Rinse mouth thoroughly with water immediately. Give water to drink If vomiting occurs, give further water to achieve effective dilution. Seek immediate medical assistance.
Eyes: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing with water until advised to stop 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. If irritation persists seek medical assistance and call a doctor.
Inhaled: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Advice to Doctor: Treat symptomatically as for strong alkalis. Can cause corneal burns. Delayed pulmonary oedema may result

Poisons Information Centre: Contact a Poisons Information Centre Phone: AUSTRALIA 13 1126 ; NEW ZEALAND 0800 764 766 or a Doctor at once.

5. FIRE FIGHTING MEASURES

Nil hazard. Non combustible. In case of fire in the surroundings, use the appropriate extinguishing method for the area.
Risk Phrases: R 35 Causes severe burns. **Safety Phrases:** S 2 Keep out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

6. ACCIDENTAL RELEASE MEASURES

No special procedures usually required. Isolate leaking containers and stop leak if safe to do so. Flush to sewer as a greatly diluted solution.
Slippery when spilt. Avoid accidents, clean up immediately.

7. HANDLING AND STORAGE

No special precautions required. Keep containers securely sealed and protected against physical damage. Considered as class 8 Corrosive in the Australian Code for the Transport of Dangerous Goods by Road and Rail.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Acute Effects: Swallowed: May cause severe burns to the mouth, throat and stomach. Will cause severe damage to the mucous membranes. Ingestion can result in nausea, vomiting, diarrhoea, abdominal pain, and/or convulsions. Eyes: A severe eye irritant. Corrosive to eyes: Contact can cause corneal burns. Permanent eye damage, including loss of sight, may occur.
May lead to CNS depression.
Skin Corrosive to skin - may cause skin burns.
Inhaled: Harmful by inhalation. Inhalation of mists or aerosols can produce respiratory irritation. May cause bronchitis, pneumonia and pulmonary oedema. May induce a burning sensation in the chest. Not considered a feature of normal use.
Exposure Limits: Sodium hydroxide 2mg/m3 Peak Limitation. National Occupational Health and Safety Commission. 1991. (Worksafe Australia) 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. All atmospheric contamination should be kept to as low a level as is practically possible. These TWA's should not be used as fine lines between safe and dangerous concentrations.
Peak Limitation: For some rapidly acting substances and irritants, the averaging of airborne concentration over an eight hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations, so that the exposure standard for these substances represents the maximum or peak concentration to which workers may be exposed. Although it is recognised that there are analytical limitations to the measurement of some substances, compliance with these "peak limitation" exposure standards should be determined over the shortest analytically practicable period of time, but under no circumstances should a single determination exceed 15 minutes.
Engineering Controls:
No special ventilation required. Avoid generation and inhalation of mists or aerosols.
Personal Protection:
Avoid skin and eye contact. Always wash hands before eating, drinking, smoking or using the toilet. Always wear : PVC or rubber gloves, goggles or face shield as appropriate when handling the concentrate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A clear caustic liquid with chlorine odour:
Approximately 110°C
Melting Point: < 0°C
Vapour Pressure: 18mm/Hg
Specific Gravity: 1.28 @ 20°C
Flash Point: Non flammable
Ph: as received 13.3 ± 0.2 1% soln. 12.5 ± 0.2
Form: Liquid N/A: - Not applicable

10. STABILITY AND REACTIVITY

Flammability:
Non combustible. No particular hazard to the environment.

11. TOXICOLOGICAL INFORMATION

Oral Lowest Lethal Dose (Rabbit) 125mg/kg
Oral LD50 (Mouse) 40mg/kg (Sodium Hydroxide)
Skin: Human: 50mgs/24 hours : Severe
Skin: Rabbit: 50mgs/24 hours : Severe

12. ECOLOGICAL INFORMATION

This substance may be hazardous to the environment. Special attention should be given to containing spills.

13. DISPOSAL CONSIDERATIONS

No special procedures usually required. Isolate leaking containers and stop leak if safe to do so. Flush to sewer as a greatly diluted solution.

14. TRANSPORT INFORMATION

Ensure containers are clearly labelled. Keep containers securely sealed and protected against physical damage. Store away from sources of heat or ignition. This product is non hazardous and is not considered as a Dangerous Good in the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

UN No:	1823	Sub Risk:	8A1
D.G.Class:	8	CAS No.	N/A
HAZCHEM:	2R	Poison Schedule:	6
G.T.EPG:	8A1	Packaging Group:	11

PROPER SHIPPING NAME: UN No.1823 Corrosive Liquid N.O.S. (Sodium Hydroxide Solution)

16. OTHER INFORMATION

AICS Listing: All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS)