

CIP CLEANER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
Product Name	CIP CLEANER
Product Code	CipCle
Product Use	Heavy Duty Cleaning in Place Detergent
Company Name	Kleen West Distributors
Address	Unit 3/22 Prestige Parade Wangara WA 6065
Emergency Telephone	13 11 26
Telephone	(08) 9303 2882
Web	www.kleenwest.com.au
2. HAZARDS IDENTIFICATION	
Hazard Classification	Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road or Rail; DANGEROUS GOODS. The material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE Poisons Schedule (SUSMP); S6 Poison
Hazard Category	Corrosive to metals – Category 1 Skin Corrosion/Irritation – Category 1A Serious Eye Damage/Irritation – Category 1
Signal Word	Danger
Pictogram(s)	
Hazard Statement(s)	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
Precautionary Statements	P234 Keep only in original container. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response	P301+P330+P331 IF SWALLOWED rinse mouth, DO NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair) take off immediately all contaminated clothing, rinse skin with water/shower. P636 Wash contaminated clothing before re-use. P304+P340 IF INHALED remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER or Doctor/Physician P321 Specific treatment (see First Aid Measures on Safety Data Sheet) P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, Continue rinsing. P390 Absorb spillage to prevent material damage.
Storage	P405 Store locked up P406 Store in corrosive resistant container with a resistant inner liner.
Disposal	P501 Dispose of contents/container in accordance with local/ regional/ international guidelines.

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3. COMPOSITION/INFORMATION ON INGREDIENTS			
	Ingredient	CAS No.	Proportion
	Potassium hydroxide	1310-58-3	>10%
	Water and other non-hazardous ingredients	-	to 100%
4. FIRST AID MEASURES			
Inhalation	Remove victim from exposure. Seek medical attention if ill effects persist.		
Ingestion	Do not induce vomiting. Give glass of water and seek medical attention. If vomiting persists, place victims head lower than the hips to prevent vomit entering the lungs.		
Skin	Remove contaminated clothing and flush affected area with running water. Wash contaminated clothing before re-use.		
Eye	If in eyes, hold eyelids apart and irrigate with clean water for at least 15 minutes. Seek urgent medical assistance.		
First Aid Facilities	Eye wash station.		
Advice to Doctor	Treat symptomatically as for strong alkali. May cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.		
5. FIRE FIGHTING MEASURES			
Hazardous Reactions	Corrosive to aluminium, zinc and tin, liberating flammable hydrogen gas. Reacts with acids and ammonia gas. Absorbs carbon dioxide from the air. Reacts exothermically on dilution with water. Keep containers cool by spraying with water to prevent pressure from building up inside the drums, causing them to burst.		
Extinguishing Media	Not flammable. Not combustible. Use extinguishing media appropriate to the source of the fire.		
Hazards from Combustion Products	In the event of a major fire, this product may emit toxic fumes including carbon monoxide, carbon dioxide and oxides of sulphide.		
Precautions for Fire Fighters	Cool containers with water to prevent containers from rupturing.		
6. ACCIDENTAL RELEASE MEASURES			
Emergency Procedures	Personnel involved in the clean up of large spills should wear appropriate protective clothing as specified in Section 8. Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Stop leak if safe to do so. Do not let product reach drains or waterways.		
Spills & Disposals	Contain and recover liquid where possible. Use material such as earth to contain spill and pack residue into appropriate containers for disposal at approved site. Wash affected area with water.		
7. HANDLING AND STORAGE			
Storage	Store in original container in a cool, well ventilated area out of direct sunlight. Keep containers closed when not in use. Do not store near strong oxidising agents or acids.		
Handling	Wear protective clothing as specified in Section 8 when handling product in bulk or there is potential for skin and eye contact. Wash hands and other exposed areas with soap and water immediately after handling and before eating, drinking, smoking or using the toilet.		
8. EXPOSURE CONTROL/PERSONAL PROTECTION			
Exposure Standards	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). The exposure standards for ingredients are. TWA Potassium Hydroxide +2mg/m3 TWA+ Time weighted average.		
Biological Limits	None allocated.		
Engineering controls	No special engineering controls required. Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended		

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	to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.
Personal Protective Equipment	No special equipment is needed when occasionally handling small quantities. Where bulk handling is taking place or where regular exposure may occur in an occupational environment, personal protection should include gloves, eye protection and clothing as specified below. Eye Protection: Face shield and/or chemical goggles (AS 1336/1337). Glove Type: Impervious PVC, rubber or nitrile gloves (AS 2161). Clothing: PVC, nitrile or rubber splash apron and rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale Brown Liquid
Odour	Low odour
pH (neat)	13 - 14
Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/Range	Approximately 100°C
Freezing/Melting point	<0°C
Solubility in Water	Miscible in all proportions
Specific Gravity	Approximately 1.15
Flash Point	Not applicable
Flammable Limits	Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability	Store away from acids and ammonium salts.
Materials to Avoid	Incompatible with acids and aluminium metals. In contact with aluminium, product will release highly flammable hydrogen peroxide gas.
Decomposition	May emit toxic or irritating fumes if heated above its boiling point.
Hazardous Reactions	Reacts with aluminium and aluminium alloys, zinc, tin producing highly flammable hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Product is alkaline. Corrosive to skin and eyes.
Inhalation	Not considered a hazard of normal use (product is not volatile). Inhalation of mist or aerosol will cause pulmonary irritation with possible, harmful corrosive effects including pulmonary oedema, pneumonitis, emphysema and lesions of nasal septum.
Ingestion	Low systemic toxicity. May cause burning of the mouth and oesophagus, nausea, vomiting and abdominal pain and oedema (swelling of larynx) with subsequent suffocation, coma and cardiovascular collapse in extreme cases.
Skin	Highly corrosive to skin if contact is prolonged. Irritant dermatitis may result from working with this material. If left unattended, skin contact produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no pain thus contamination of gloves or boots can be damaging.
Eye	Severe eye irritant. Highly corrosive to eyes. May cause conjunctivitis corneal burns and ulceration. Permanent eye damage may occur including loss of sight.
Toxicity Data	Potassium Hydroxide: Acute oral toxicity; LD50 (Mouse) 40mg/kg Oral lowest lethal dose (rabbit) 125mg/kg Acute dermal toxicity (rabbit) 500mg/24 hours (severe)

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product is considered harmful to aquatic organisms (due to its alkalinity). Do not contaminate waterways with the product or used containers. Absorb with sand or earth and place in sealed plastic or epoxy lined drums for disposal.
Persistence and Degradability	Surfactants used in this product are fully biodegradable (AS4351) None of the components of this product will bioaccumulate.

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Mobility	No data available for this product.
13. DISPOSAL CONSIDERATIONS	
Waste Disposal	Refer to waste management authority. Normally suitable for disposal at approved waste site. Containers should be thoroughly rinsed and recycled.
Legislation	Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice.
14. TRANSPORT INFORMATION	
Classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	1760
Proper Shipping Name	Corrosive Liquid N.O.S
Class and Subsidiary Risk(s)	Class 8
Packing Group	111
Special Precautions	None allocated
Hazchem Code	2R, Packaging Group
15. REGULATORY INFORMATION	
	Classified as a scheduled poison according to the standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
Poisons Schedule	S6
AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).
16. OTHER INFORMATION	
Contact Point	Anthony Benich
Title	Technical Manager
Telephone	08 9303 2882
After Hours	0432 620 423
The information contained in this Material Safety Data Sheet is believed to be accurate and reliable; however, Kleen West Distributors shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Material Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.	

End of Report