

Infosafe No™ VARJ2	Issue Date : May 2016	ISSUED by HUNTER
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 Product Name **CIP ALKALI CLEANER**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** CIP ALKALI CLEANER

**Company Name** Hunter Industrials Pty Ltd (ABN 083 330 974)

**Address** 51-53 Lakewood Blvd  
Braeside  
Vic 3195 Australia

**Telephone/Fax Number** Tel: (03) 9586 2888  
Fax: (03) 9587 9851

**Emergency phone number** 0409 949 298

**E-mail Address** sales@huntind.com.au

**Recommended use of the chemical and restrictions on use** A heavy duty alkaline cleaner specially designed for CIP systems.

## 2. Hazard Identification

**GHS classification of the substance/mixture** Acute Toxicity - Oral: Category 4  
Eye Damage/Irritation: Category 1  
Skin Corrosion/Irritation: Category 1A

**Signal Word (s)** DANGER

**Hazard Statement (s)** H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

**Precautionary statement - General** P102 Keep out of reach of children.  
P103 Read label before use.

**Pictogram (s)** Exclamation mark, Corrosion



**Precautionary statement - Prevention** P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash contaminated skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement - Response** P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.

**Precautionary statement - Storage**

**Precautionary statement - Disposal** P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

## 3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Sodium hydroxide	1310-73-2	10-30 %

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Ingredients	Name	CAS	Proportion
	Potassium hydroxide	1310-58-3	1-10 %
	Ingredients determined not to be hazardous		0-10 %
	Water	7732-18-5	to 100%

#### 4. First-aid measures

<b>Inhalation</b>	Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.
<b>Ingestion</b>	Immediately rinse mouth with water. Do NOT induce vomiting. Give a glass of water to be taken slowly. Seek immediate medical attention.
<b>Skin</b>	Remove all contaminated clothing and immediately wash affected area with plenty of water. If swelling, redness, blistering or irritation occurs, seek medical advice.
<b>Eye contact</b>	Hold eyes open and flood with running water for at least 15 minutes, bathe eyes with soothing eyedrops or sterile saline, urgently seek medical attention. Transport to hospital or medical centre.
<b>First Aid Facilities</b>	Eye wash station and normal washroom facilities.
<b>Advice to Doctor</b>	Product is potassium and sodium hydroxide solution. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted. Contact Poisons Information Centre.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use extinguishing media appropriate to surrounding fire.
<b>Hazards from Combustion Products</b>	Water vapour, carbon dioxide, oxides of nitrogen. Incomplete combustion may generate carbon monoxide.
<b>Specific Methods</b>	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
<b>Specific hazards arising from the chemical</b>	Not a fire hazard. Not an explosion hazard.
<b>Hazchem Code</b>	2X

#### 6. Accidental release measures

<b>Spills &amp; Disposal</b>	Spillages are slippery. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain using sand or soil - prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with excess water. Caution - heat may be evolved.
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#### 7. Handling and storage

<b>Conditions for safe storage, including any incompatibilities</b>	Store in cool place in original container. Store away from oxidisers, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
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#### 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Sodium hydroxide			2		Peak limitation
	Potassium hydroxide			2		Peak limitation

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<b>Appropriate engineering controls</b>	In very confined spaces have sufficient ventilation. Do not enter confined spaces where vapours may have accumulated. Keep containers closed when not in use.
<b>Personal Protective Equipment</b>	Avoid contact with skin and eyes. Avoid breathing aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Face shield or safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots Impervious overalls. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Clear colourless liquid.
<b>Odour</b>	No odour
<b>Boiling Point</b>	approx. 100C
<b>Solubility in Water</b>	Miscible with water in all proportions.
<b>Specific Gravity</b>	1.4
<b>pH</b>	12.5 - 13.5
<b>Flash Point</b>	None
<b>Flammability</b>	Not flammable.

## 10. Stability and reactivity

<b>Reactivity</b>	Contact with aluminium, tin, zinc or galvanised iron can generate hydrogen, a flammable gas. Contact with ammonium compounds can generate ammonia, a poisonous gas. Will react vigorously or violently with acids.
<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Incompatibles.
<b>Incompatible Materials</b>	Decomposes on heating emitting soot, smoke and decomposition products.

## 11. Toxicological Information

<b>Toxicology Information</b>	No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:
<b>Acute Toxicity - Oral</b>	Potassium Hydroxide: LD50: 365mg/kg oral, rabbit Sodium Hydroxide: LD50: 500mg/kg oral, rabbit
<b>Ingestion</b>	Very corrosive. Causes burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody). Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring, heart failure and coma.
<b>Inhalation</b>	Inhalation of mists of the solution will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.
<b>Skin</b>	Corrosive to skin - may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis.

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<b>Eye</b>	Corrosive to eyes; contact can cause conjunctivitis, corneal burns and ulceration, which can result in permanent injury and possible loss of sight.
<b>Chronic Effects</b>	Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic organisms.
<b>Persistence and degradability</b>	Readily biodegradable
<b>Mobility</b>	Readily dilutes with water.
<b>Environmental Protection</b>	Avoid contaminating waterways, drains, sewers, or ground.

## 13. Disposal considerations

<b>Waste Disposal</b>	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
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## 14. Transport information

<b>Transport Information</b>	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.
<b>U.N. Number</b>	3266
<b>UN proper shipping name</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
<b>Transport hazard class(es)</b>	8
<b>Hazchem Code</b>	2X
<b>Packing Group</b>	II
<b>IERG Number</b>	37

## 15. Regulatory information

<b>Poisons Schedule</b>	S6
<b>Hazard Category</b>	Corrosive
<b>AICS (Australia)</b>	All components listed.

## 16. Other Information

<b>Signature of Preparer/Data Service</b>	Technical Manager 03 9580 2499
<b>Technical Contact Numbers</b>	Emergency Advice All Hours: Tel: 0409 949 298 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs
<b>Other Information</b>	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...

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