

# Material Safety Data Sheet

## Hazardous According To The Criteria Of NOHSC

### **I IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** ALKoCIP  
**Other Name:** None  
**Manufacturer's Product Code:** TBA  
**Recommended Use:** HI STRENGTH POTASSIUM BASED CIP CLEANER  
**Supplier Name:** CASTLE CHEMICALS  
**Supplier Address:** 16 RURAL DRIVE  
SANDGATE  
NSW 2304  
  
**Telephone No.:** 02 49675466  
**Fax No.:** 02 49601686  
**Emergency No.:** 02 49675466

### **2 HAZARDS IDENTIFICATION**

**HAZARD DESIGNATION:** Hazardous According To The Criteria Of NOHSC

**RISK PHRASES:** R35- Causes severe burns.  
R41-Risk of serious damage to eyes

**SAFETY PHRASE:** S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28- After contact with skin, wash immediately with plenty of water.  
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 where possible)

**ADG CLASSIFICATION:** ADG 8 Packing Group II. UN1814 Potassium Hydroxide Solution.

**SUSDP CLASSIFICATION:** S6

### **3 COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS NUMBER:	PROPORTION (%WT)
POTASSIUM HYDROXIDE	1310-58-3	30-60%
COMPONENTS DESIGNATED NON HAZARDOUS TO NOHSC		TO 100%

### **4 FIRST AID MEASURES**

**IF POISONING OCCURS, IMMEDIATELY CONTACT A DOCTOR OR POISONS INFORMATION CENTRE (TELEPHONE 13 11 26), AND FOLLOW THE ADVICE GIVEN. SHOW THIS MATERIAL SAFETY DATA SHEET TO A DOCTOR.**

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Obtain medical attention immediately.
- Skin Contact:** Remove all contaminated clothing / shoes. Wash the skin copiously with plenty of water. Seek medical attention. Launder clothing and thoroughly clean out shoes before re-use.
- Eye contact:** Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek immediate medical advice.
- Ingestion:** Do NOT induce vomiting. Seek immediate medical advice.
- First Aid Facilities:** Provide an eyewash station / Safety shower in the workplace.
- Symptoms:** Not available
- Medical attention:**

## **5 FIRE FIGHTING MEASURES**

- Extinguishing media** **Not flammable.** Foam, dry chemical or water spray. Do not use a water jet from a fire hose.
- Hazards from combustion products:** No data available.
- Precautions for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by hosing with water.

**ADDITIONAL INFORMATION:**  
**HAZCHEM CODE:** 2R

## **6 ACCIDENTAL RELEASE MEASURES**

Immediately contact emergency personnel. Keep unnecessary personnel away. Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Contain and absorb with sand, earth or inert absorbent. Scoop or shovel into sealable containers for disposal in accordance with applicable local, state and federal regulations.  
Spillage's May Be Slippery.

## **7 HANDLING AND STORAGE**

- Handling:**  
Keep out of reach of children. Avoid contact with skin and eyes and do not inhale spray mist. Use only in a well-ventilated area, do not add water directly to product. Slowly stir product into water.
- Storage:**  
Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight and incompatibles (see below).
- Material Compatibility:**  
Incompatible with aluminium, zinc, tin.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION



**Exposure Standards:** NOHSC Potassium Hydroxide AMP:2 2mg/m<sup>3</sup> TWA

**Engineering Controls:** Ensure adequate ventilation. Keep container closed when not in use. Ensure Eyewash / safety showers are close to working area.

### Personal Protective Equipment:

#### **EYES:**

Wear chemical goggles. Avoid contact with eyes. For prolonged use, wear face shield over goggles.

#### **CLOTHING:**

Use synthetic apron and other PPE to prevent skin contamination.

#### **GLOVES:**

Wear chemical resistant impervious protective gloves.

#### **RESPIRATORY:**

If ventilation is inadequate, wear respirator to protect against organic vapour / mist and dusts (AS/NZS 1715 and AS/NZS 1716).

#### **OTHER:**

Do not eat, drink or smoke until after washing. Wash hands, forearms and face thoroughly after handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear pale yellow liquid
<b>Odour:</b>	None
<b>Vapour Pressure:</b>	< 1 mm Hg @ 20°C .
<b>Vapour Density:</b>	Not available
<b>Boiling Point:</b>	> 100°C
<b>Freezing/melting point:</b>	Not available
<b>Solubility:</b>	Soluble in Water.
<b>Density:</b>	1.36 @ 20 °C
<b>pH Neat:</b>	13.0-14.0
<b>Flashpoint:</b>	> 150 °C Non-flammable.
<b>Flammability (explosive) limits:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Percent volatiles:</b>	< 55%
<b>Octanol/water partition coefficient:</b>	Not available
<b>Formulation:</b>	Hi strength CIP caustic cleaner.

**10 STABILITY AND REACTIVITY**

<b>Chemical stability:</b>	Not available
<b>Hazardous polymerisation:</b>	Will not occur
<b>Conditions to avoid:</b>	Not available
<b>Incompatible materials:</b>	Acids, Metals Ammonium Salts
<b>Hazardous decomposition products:</b>	None Identified
<b>Hazardous reactions:</b>	May generate heat on contact with water. May react vigorously with acids. Reacts with ammonium compounds to give ammonia gas.

**11 TOXICOLOGICAL INFORMATION****Inhalation:**

Severely corrosive to the respiratory system.

**Skin contact:**

Severely corrosive to the skin.

**Eye contact:**

Severely corrosive to the eyes.

**Ingestion:**

Causes severe burns.

**Other:** None ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

**Acute: Oral toxicity:** LD50 rat: Not available

**Dermal toxicity:** LD50 rabbit: not available

**Inhalation toxicity:** Not available

**Skin irritation:** Severely Corrosive to the skin.

**Eye irritation:** Severely corrosive to the eyes

**Sensitisation:** Not available

**12 ECOLOGICAL INFORMATION**

**Fish toxicity:** Data not available

**Daphnia toxicity:** Data not available

**Toxicity to algae:** Data not available

**Bird toxicity:** Data not available

**Bee toxicity:** Data not available

**Other:** No known significant effects or critical hazards

**Environmental fate, persistence and degradation:** Data not available

**13 DISPOSAL CONSIDERATIONS**

Do not discharge into drains. Do not incinerate. Dispose of waste material via a licensed waste disposal contractor to a regulated landfill.

**14 TRANSPORT INFORMATION**

**UN number:** UN1814  
**Proper shipping name:** POTASSIUM HYDROXIDE SOLUTION  
**Class and Subsidiary Risk:** ADG Class 8 Classified as dangerous goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
**Packing Group:** II  
**EPG:** 8A1  
**Hazchem code:** 2R

**15 REGULATORY INFORMATION**

SUSDP Poison Schedule number S6 allocated

Reference to National Code of Practice for the preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition (NOHSC: 2011 (2003)).  
SUSDP

**16 OTHER INFORMATION****Trademark information:**

**Preparation information:** New product MSDS, Reason for update: New, and conversion to 16 heading format.

**Data sources:**

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS