



**MATERIAL SAFETY DATA SHEET**  
Hazardous According to Criteria of Worksafe Australia

PRODUCT: **Concentrated Rinse Aid**

**SECTION 1 – PRODUCT IDENTIFICATION**

Trade Name : **Concentrated Rinse Aid**

Use: Alkaline Detergent

Distributor: Cargroomers Qld Trust  
Emergency Phone No: 1300 494 414  
Regular Phone No: 07 3807 7577  
Address: 10 Binary St, Yatala Qld 4207

**SECTION 2 – HAZARDS IDENTIFICATION**

UN No:	1719	PACKAGING GROUP:	II
CLASS:	8	HAZCHEM:	2R
SUB-RISK	N/A	POISONS SCHEDULE:	S6

**Hazard Category**

C+ Very corrosive

**R-phrases(s)**

R35 causes severe burns.  
R41 Risk of serious damage to eyes.

**S-phrases(s)**

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.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**SECTION 3 – INGREDIENTS**

MATERIAL/COMPONENT	Wt%	CAS NUMBER
POTASSIUM HYDROXIDE	<10%	1310-58-3
SODIUM HYDROXIDE	<10%	1310-73-2
Other ingredients not classified as hazardous	to 100%	

**SECTION 4 -EMERGENCY AND FIRST AID PROCEDURES**

**For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0 800 764766) or a doctor.**

Ingestion: Immediately rinse mouth with water. Give water to drink. Do NOT induce vomiting. If vomiting occurs, place victim's face downwards, head lower than hips to prevent vomit entering lungs. Seek immediate medical assistance.

Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Skin contact: Immediately wash contaminated skin with plenty of water. For gross contamination, immediately drench with water and remove clothing. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering, or irritation occurs seek medical advice. For skin burns, immediately flood burnt area with plenty of water and cover with a clean, dry dressing. Seek immediate medical advice.

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

Notes to physician: Treat symptomatically and as for strongly alkaline corrosive material.

**SECTION 5 – FIRE AND EXPLOSION DATA**

Specific hazards: Non combustible material.

Fire fighting further advice: Not combustible, however reaction with metals will produce flammable hydrogen gas which will burn if ignited. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination. Contain using sand and soil - prevent runoff into drains and waterways. Use absorbent (soil or sand, inert material, vermiculite). Collect and seal in properly labelled containers for disposal. Caution – heat may be evolved on contact with water. If contamination of sewers or waterways has occurred advise the local emergency services.

## SECTION 7 HANDLING AND STORAGE

**Storage:** Keep containers closed at all times. Store away from acids and ammonium salts. Do not store in aluminium or galvanised containers or use die- cast zinc or aluminium bungs. Steel bungs should be used. Reacts exothermically with water. Heat evolved may cause boiling and spattering. At temperatures greater than 40 C tanks must be stressed relieved. Check regularly for spills and leaks

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits

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

However, Exposure Standard for constituent: Potassium hydroxide 2 mg/m<sup>3</sup> Peak limitation  
As published by the National Occupational Health and Safety Commission (Worksafe Australia).

**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. This Exposure Standard is a guide to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. 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.

**Engineering measures:** Maintain air concentrations below recommended Exposure Standards. Avoid generating and inhaling mists and aerosols. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, RUBBER BOOTS, FACE SHIELD, SAFETY SHOES, GLOVES (L), APRON. Avoid all contact. Wear overalls, face shield, elbow-length impervious gloves, splash apron and rubber boots (leather is attacked). Available information suggests that gloves made from nitrile, neoprene, or natural rubber should be suitable for intermittent contact (2). However, due to variations in glove construction and local conditions, a final assessment should be made by the user. Use with adequate ventilation. Avoid generating and inhaling mists and aerosols. If risk of inhalation of spray mists exists, wear respirator meeting the requirements of AS 1715 and AS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before storing or re-using.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity (20 C):	1.45 – 1.55	Boiling Point (C):	N Av
Rel Vapour Density (air=1):	N Av	Decomp. Point (C):	N Av
Vapour Pressure (20 C):	N Av	Sublimation Point:	N App
Flash Point (C):	None	pH (1% aq soln):	13.0 - 14.0
Flammability Limits (%):	N App	Viscosity:	N Av
Auto ignition Temp (C):	N App	Evaporation Rate:	N Av
% Volatile by weight:	N Av	(n-Butyl acetate=1)	
Solubility in water (g/L):	Complete		
Melting Point (C):	N Av		

N Av = Not available N App = Not applicable

## SECTION 10 – STABILITY AND REACTIVITY DATA

**Stability:** Corrosive to aluminium, zinc, and tin, liberating flammable hydrogen gas. Reacts violently with acids. Reacts with ammonia salts liberating ammonia gas.

**Other properties:** Absorbs carbon dioxide from the air. Reacts exothermically upon dilution with water.

**Hazardous polymerisation:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, swelling of the larynx and subsequent suffocation, perforation of the gastrointestinal tract, cardiovascular collapse and coma.

**Eye contact:** A severe eye irritant. Contamination of the eyes can result in permanent injury. Corrosive to eyes; contact can cause corneal burns.



**Skin contact:** Contact with skin will result in severe irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Corrosive to skin - may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contaminating gloves and boots.

**Inhalation:** Inhalation of mists will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema. Inhalation of mists at elevated temperatures will increase these symptoms.

**Long Term Effects:** Chronic effects are unlikely due to the severity of acute effects.

**Acute toxicity / Chronic toxicity**

No LD50 data available for product, however, for the component solid potassium hydroxide:  
Oral LD50 (rat): 273 mg/kg  
SKIN (Human): Severe irritant  
SKIN (Rabbit): Severe irritant  
Highly corrosive to any tissue with which it comes into contact. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Low systemic toxicity.

**SECTION 12 - ECOLOGICAL INFORMATION**

Avoid contaminating waterways. The product has low potential for bioaccumulation.  
LC50 (Mosquito fish): 80 mg/l /24 hours (Solid Potassium Hydroxide)

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Spills and Disposal: Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Can be dispersed carefully in water and greatly diluted or carefully neutralised with dilute acid and flushed to drain with copious amounts of water. Alternatively, normally suitable for disposal at approved land waste site.

**SECTION 14 TRANSPORT INFORMATION**

Road Transport: Classified as Dangerous Goods for the purpose of transport by road or rail. Refer to relevant regulations for storage and transport requirements.  
UN-No: 1719  
Class: 8 Corrosive  
Hazchem code: 2R  
EPG: 8A1  
Packing group: Packing Group 2  
Proper shipping name: CAUSTIC ALKALI LIQUID N.O.S. (CONTAINS POTASSIUM HYDROXIDE)  
Segregation Dangerous Goods: Not to be loaded with explosives (class 1), dangerous when wet substances (class 4.3), oxidising agents (class 5.1), organic peroxides (class 5.2), radioactive substances (class 7), foodstuffs and foodstuff empties, however exemptions may apply.

**SECTION 15 REGULATORY INFORMATION**

Hazardous according to criteria of Worksafe Australia.

**Hazard Category**

C+ Very corrosive

**R-phrase(s)**

R35 causes severe burns.  
R41 Risk of serious damage to eyes.

**S-phrase(s)**

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S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Poisons Schedule (Aust)/Toxic Substance (NZ): S6

**SECTION 16 OTHER INFORMATION**

**CONTACT POINTS**

ORGANISATION	TELEPHONE	ASK FOR
Poisons Information Centre –Australia Wide	131126	
Cargroomers Queensland Trust	07 3807 7577	Errol Woolcott
Fire Brigade	000	Fire Brigade
Police	000	Police

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is



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