

ENVIRO CHEMICALS AUSTRALIA PTY LTD

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*“Products That Don’t Cost The Earth”*

## All New ENVIRO RINSE AID

### MACHINE RINSE AID

**ENVIRO RINSE AID** is a revolutionary designed special formula to eliminate water spotting on glassware and cutlery.

**ENVIRO RINSE AID**'s unique low foaming new tech formula has a *built-in descaler* and contains a very effective *water softening wetting agent*.

**ENVIRO RINSE AID** provides a superb, clear, streak free, spot free wash when used in conjunction with **ENVIRO DISHMATIC**.

**ENVIRO RINSE AID** is safe on stainless steel and silver cutlery. It also prevents glass from hazing.

**ENVIRO RINSE AID** is safe and it can be used with all types of commercial, domestic dishwashing and glass washing machines.

#### Directions for use:

**Commercial machines:** Automatic dispensers are usually fitted to machinery that automatically add Rinse Aid to the final rinse. Ask our agent or supplier to adjust your automatic dosage.

Follow your machine manufacturer's handbook for correct operating procedures and correct dosage levels.

**Domestic machines:** See your dishwasher / glasswasher instruction booklet for how to add Rinse Aid.

*You don't have to settle for second best to save money when cleaning.  
Step-up to the new level in Cleaning Detergents & Soaps.*

*Use Enviro Chemicals and you will never settle for second best again.*

*We trust this product will be of interest to you and for more info visit our Web site.  
Please do not hesitate to contact us if we can be of further assistance.*



" Products that don't cost the Earth "

## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Rinse Aid

**Uses:** Machine Rinse Additive.

**COMPANY DETAILS :**

**Company:** Enviro Chemicals (Aust.) Pty Ltd.  
(A.C.N : 094087493)

**Address:** 740-744 Woodville Road Fairfield East  
NSW 2165.

**Emergency PH:** (02) 9755 2012 (**Business hour**) or

**Poisons Information Centre Telephone: 13 11 26**

## 2. HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE

**THIS PRODUCT IS CLASSIFIED AS:** XI, IRRITATING. HAZARDOUS ACCORDING TO THE CRITERIA OF SWA. NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

**RISK PHRASES:** R41, R66, R36/38. RISK OF SERIOUS DAMAGE TO EYES. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING. IRRITATING TO EYES AND SKIN.

**SAFETY PHRASES:** S23, S26, S28, S36, S38, S24/25, S37/39. DO NOT BREATHE VAPOUR OR MISTS. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND CONTACT A DOCTOR OR POISON INFORMATION CENTRE. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER. WEAR SUITABLE PROTECTIVE CLOTHING. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. AVOID CONTACT WITH SKIN AND EYES. WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

SUSMP CLASSIFICATION: S5 ADG CLASSIFICATION: NONE ALLOCATED. NOT A DANGEROUS GOOD UNDER THE ADG CODE.

**UN NUMBER:** NONE ALLOCATED



**GHS SIGNAL WORD:** WARNING

### HAZARD STATEMENT :

AU1066: REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

H315: CAUSES SKIN IRRITATION.

H319: CAUSES SERIOUS EYE IRRITATION.

H335: MAY CAUSE RESPIRATORY IRRITATION.

### PREVENTION

P102: KEEP OUT OF REACH OF CHILDREN.

P261: AVOID BREATHING FUMES, MISTS, VAPOURS OR SPRAY.

P264: WASH CONTACTED AREAS THOROUGHLY AFTER HANDLING.

P271: USE ONLY OUTDOORS OR IN A WELL VENTILATED AREA.

P280: WEAR PROTECTIVE GLOVES, PROTECTIVE CLOTHING AND EYE OR FACE PROTECTION.

### RESPONSE

P312: CALL A POISON CENTRE OR DOCTOR IF YOU FEEL UNWELL.

P362: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

P301+P330+P331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.

P302+P352: IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

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.

P332+P313: IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE.

P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE.

P391: COLLECT SPILLAGE.

P370+P378: NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA SUITED TO BURNING MATERIALS.

### STORAGE

P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

### DISPOSAL

P501: DISPOSE OF SMALL QUANTITIES AND EMPTY CONTAINERS BY WRAPPING WITH PAPER AND PUTTING IN GARBAGE. FOR LARGER QUANTITIES, IF RECYCLING OR RECLAIMING IS NOT POSSIBLE, USE A COMMERCIAL WASTE DISPOSAL SERVICE.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Teric LA8	<8	6834-92-0
Non-ionic surfactant	<5	Non Hazardous
Anionic Surfactant	<	Non Hazardous
Ethylene glycol butyl ether	5	111-76-2
Potassium Hydroxide	<	1310-58-3
	5	
	<	
	2	
Perfume	<	Non Hazardous
Colour	0.2	Non Hazardous
Water	Trace	7732-18-5
	Remainder	

## 4. FIRST AID MEASURES

**Swallowed:** Drink 1 or 2 glasses of water. Do Not induce vomiting.  
NEVER give anything by mouth to an unconscious person.  
If symptoms persist seek medical advice.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

**Skin Exposure:** Wash off with water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

### **Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** None Allocated

Product is water based and is unlikely to play a contributing role in any fire.

### **Special protective precautions and equipment for fire fighters**

Fire fighters should use the appropriate equipment for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### **PERSONAL PRECAUTIONS:**

USE PERSONAL PROTECTIVE EQUIPMENT.

KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK.

MATERIAL CAN CREATE SLIPPERY CONDITIONS.

### **ENVIRONMENTAL PRECAUTIONS:**

CAUTION: KEEP SPILLS AND CLEANING RUNOFF OUT OF  
DRAINS AND OPEN BODIES OF WATER.

### **METHODS & MATERIALS FOR CONTAINMENT & CLEAN UP:**

CONTAIN SPILLS IMMEDIATELY WITH INERT ABSORBENT  
MATERIALS (E.G. SAND, EARTH).

TRANSFER LIQUIDS AND USED ABSORBENT MATERIAL TO  
SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL.

## 7. HANDLING & STORAGE

### **Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area.  
Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMIT(S):** THERE IS NO EXPOSURE DATA FOR THIS PRODUCT. THE EXPOSURE STANDARDS FOR 2- BUTOXYETHANOL CAS NO: 111-76-2; TWA: 20PPM (96.9MG/M<sup>3</sup>) STEL: 50PPM (242MG/M<sup>3</sup>). ABSORPTION THROUGH SKIN MAY BE A SIGNIFICANT SOURCE OF EXPOSURE.

**EXPOSURE CONTROLS:** IF WORKING IN CONFINED SPACE OR POOR VENTILATION USE APPROPRIATE RESPIRATORY PROTECTION OR WORK IN WELL VENTILATED AREAS.

**EYE PROTECTION:** WEAR SAFETY GLASS, AVOID CONTACT WITH EYES.

**HAND PROTECTION:** WEAR SUITABLE GLOVES.

**ENGINEERING MEASURES:** USE ONLY IN A WELL VENTILATED AREA. IF HANDLING LARGE AMOUNTS A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Non
<b>pH:</b>	10 -10.5
<b>Boiling point/range:</b>	Approx: 100 – 171 deg. Celsius.
<b>Melting point/range:</b>	<0oC Water
<b>Flash point:</b>	Non combustible
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	1.05

**NOTE:** The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

### HAZARDOUS REACTIONS:

PRODUCT IS STABLE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TEMPERATURE.

### MATERIALS TO AVOID:

STRONG ACIDS.

### POLYMERIZATION:

PRODUCT WILL NOT UNDERGO POLYMERIZATION

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

The information shown is for 2-Butoxyethanol which is present at less than 10%.

### Toxicity Data

Oral LD50 Rat: 470mg/Kg. Skin LD50 Rabbit: 220mg/Kg. Inhaled LC50 Rat: 2211mg/m<sup>3</sup> (4hr).  
Skin Irritation Rabbit: Slight irritation. Eye Irritation: Irritation.

Note: No studies are available on the effects of long term exposure in humans. Studies indicate that repeated exposure causes blood, liver and kidney disorders in animals. Deaths in acute studies were generally caused by narcosis or respiratory failure, with kidney failure seen as a secondary cause.

The main toxic effect observed in acute and repeated dose animal studies is haemolysis. The effect varies between species with rats and mice the most susceptible, rabbits less susceptible and guinea-pigs and humans least susceptible. Changes in kidney, liver, spleen and lungs were found in animals exposed by ingestion, inhalation and skin absorption. Deaths usually result from CNS depression, lung damage and kidney injury.

### Health Effects – Acute

#### Swallowed

May be harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood pressure, pulmonary oedema and damage to the liver and kidneys.

**Eye:** Causes eye irritation.

**Skin:** Irritating to skin. Danger of skin absorption.

**Inhaled:** Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine.



## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

### Additional information

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT

### INFORMATION

**Classification for ROAD and RAIL transport;**

Not regulated (Not dangerous for transport)

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

**Hazchem Code:** None allocated.

## 15. REGULATORY

### INFORMATION

**Label**

Classification and labelling have been performed according to regulations.

**Poison Schedule**

None allocated

**EPG**

Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).**

All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

Date of Preparation: 01/01/2018

### Key to Abbreviations & Acronyms Used in SDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half ) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure
Limit TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees
Celsius g	Gram
g/cm <sup>3</sup>	Grams per cubic
centimetre g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per cubic
metre ltr	Litre
m <sup>3</sup>	Cubic
metre mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m <sup>3</sup>	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies SDS

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE,

INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY

AS GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE

AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY

TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION

WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

**END OF SDS**