



MATERIAL SAFETY DATA SHEET
Hazardous according to criteria of Worksafe Australia

READ AND UNDERSTAND THIS MSDS THOROUGHLY BEFORE USING THIS PRODUCT

PRODUCT: Acid Descaler

SECTION 1 – PRODUCT IDENTIFICATION

Trade Name: Acid Descaler
Use: Acidic detergent for use in car wash bays

Distributor: Cargroomers Trust
Emergency Phone No: (07) 3807 7577
Regular Phone No: (07) 3807 7577
Address: 10 Binary Street
YATALA QLD 4207

SECTION 2 – HAZARDS IDENTIFICATION

Classification: This material is classified as hazardous according to criteria of NOHSC.

| | | | |
|----------|------|-------------------|-----|
| UN No: | 1805 | PACKAGING GROUP: | III |
| CLASS: | 8 | HAZCHEM: | 2R |
| SUB-RISK | N/A | POISONS SCHEDULE: | S5 |

Hazard Category

CORROSIVE

Risk Phrases

R34: Causes burns
R41: Risk of serious damage to eyes.

Safety Phrases

S(1/2): Keep locked up and out of reach of children
S7/9: Keep container tightly closed and in a well ventilated place.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37: Wear suitable protective clothing and gloves.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

SECTION 3 – INGREDIENTS

| MATERIAL/COMPONENT | Wt% | CAS NUMBER |
|--|---------|------------|
| Phosphoric Acid | <50% | 7664-38-2 |
| Other products not classified as hazardous | to 100% | |

SECTION 4 -EMERGENCY AND FIRST AID PROCEDURES

It is important that any person who has been contaminated by hydrofluoric acid should have immediate first aid, then see a medical practitioner as soon as possible. Even with minor accidents, the full extent of the injuries may not be obvious for several hours. For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0 800 764766) or a doctor.

Swallowed Do not give anything by mouth if victim is losing consciousness or is unconscious or convulsing. If swallowed, DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention immediately. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can drink comfortably.

Eye **SPEED IS ESSENTIAL.** Immediately flush the contaminated eye(s) with gently flowing water for 15 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Continue irrigation with normal saline solution or water until the severe pain of the burn is relieved. Obtain medical attention immediately. NOTE: do not use any of the skin treatment preparation for burns of the eye. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin First aid personnel should avoid contact with this chemical. Wear impervious gloves when assisting patient. Immediately flush contaminated skin area with gently running water for at least 20 minutes. While washing with water remove contaminated clothing, footwear and leather goods (e.g. watchbands, belts). Obtain medical attention immediately.



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Inhaled Move patient from area. 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. If breathing laboured and patient cyanotic (blue) ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical assistance.

Advice to Doctor Treat symptomatically.

First Aid Facilities General first aid supplies.

SECTION 5 – FIRE AND EXPLOSION DATA

Flash Point: Not flammable under normal conditions of use.
Flammability Limits in Air (% Volume) Method: Not applicable
Lower: Not applicable Upper: Not applicable

Fire Extinguishing Media: If material is involved in a fire, use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Special Fire Fighting Procedures: If material is involved in a fire, fire fighters to wear self-contained breathing apparatus and suitable protective clothing.

Unusual Fire and Explosion Hazards:

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Wear protective equipment to prevent skin and eye contact. Neutralize spill with soda ash or lime. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

Waste Disposal: Do not dump large quantities into biological treatment ponds. Dispose according to local regulations.

SECTION 7 HANDLING AND STORAGE

Handling & Storage: Avoid skin and eye contact. Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

Other:

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific product by the National Occupational Health and Safety Commission.

Engineering Measures: Minimise contact.

Personal Protection: Eye protection, rubber or butyl gloves. Make sure eye bath is available. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------------|----------------|---------------------|---------------|
| Boiling Point (C): | 100 | Volatiles: | 85 - 90% |
| Melting Point(C): | Not determined | Press@20C mm Hg: | Not available |
| Specific Gravity: | 1.4 | VAP Density: | Not available |
| Sol In Water (g/l): | Completely | pH at Use Dilution: | 1.0-2.0 |
| Appearance: | Green Liquid | pH: | 1.0-2.0 |
| Evaporation Rate (nButyl Acetate=1): | Not determined | | |

SECTION 10 – STABILITY AND REACTIVITY DATA



Stability: Stable under normal conditions of use.
Conditions to avoid: Oxidising agents, corrosive to most metals.
Incompatibilities: Oxidising agents, corrosive to most metals.
Hazardous decomposition products: Toxic fumes of phosphorus, carbon oxides on combustion or oxidation.
Hazardous polymerisation: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

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

HEALTH EFFECTS

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

Swallowed: Extremely irritant, can cause nausea and vomiting. May be severe with sensitive individuals or on prolonged or repeated contact.
Eyes: Eye irritant may cause permanent injury.
Skin: Contact with skin will result in irritation. Repeated or prolonged exposure can lead to dermatitis.
Inhalation: Irritant, but due to the form of the product this is unlikely

Long Term Effects:

No information available for the product.

Toxicological Data:

No LD50 data available for the product.

SECTION 12 - ECOLOGICAL INFORMATION

Avoid contaminating waterways

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of material according to Local Authority Regulations or through a licensed waste contractor.

SECTION 14 TRANSPORT INFORMATION

Road and Rail Transport Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail. Refer to relevant regulations for storage and transport requirements.

| | | | |
|----------|------|-------------------|-----|
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| CLASS: | 8 | HAZCHEM: | 2R |
| SUB-RISK | N/A | POISONS SCHEDULE: | S5 |

Segregation Dangerous Goods: Not to be loaded with Class 1, 4.3, 5.1, 5.2, 6*, 7, Foodstuff and foodstuff empties (* Where the Class 6 substance is a cyanide and Class 8 substance is an acid). Keep away from metals (steel, copper, aluminium) and glass. Contact with these metals or chemicals such as sulphides, carbonates & cyanides can evolve toxic, flammable or asphyxiating gases. Reaction with alkaline substance will generate great heat.

SECTION 15 REGULATORY INFORMATION

Classification: This material is classified as hazardous according to criteria of NOHSC. All the constituents of this material are listed on the Australian Inventory of Chemical Substances.

Hazard Category

CORROSIVE

Risk Phrases

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns

R41: Risk of serious damage to eyes.

Safety Phrases

S(1/2): Keep locked up and out of reach of children

S7/9: Keep container tightly closed and in a well ventilated place.



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- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37: Wear suitable protective clothing and gloves.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

SECTION 16 OTHER INFORMATION

CONTACT POINTS

| ORGANISATION | TELEPHONE | ASK FOR |
|---|--------------------------------|----------------------------------|
| Poisons Information Centre – Australia Wide | 131126 | |
| Cargroomers Trust d | (07) 3807 7577 0416 188 857 | Errol Woolcott 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 made as to its accuracy, reliability or completeness. Cargroomers Trust accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

PREPARED BY: Malcolm Swanney BSc CHEM Title: Chemist

Date: 09/08/12