

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: Acid Descaler  
Product Code: GRKD  
Product Use: Removes mineral deposits that build up in dishwashing machines.  
New Zealand Supplier: Car Clean Products NZ Limited  
Address: 33 Ha Crescent, Wiri,  
Auckland 2104  
New Zealand  
Telephone: 09 25000 91  
Fax Number: 09 25000 92  
Email: sales@pacer.co.nz

**Emergency Telephone Number: 0800 POISON (0800 764 766)**

Date of MSDS Preparation: March 2024

### Section 2. Hazards Identification

**Classification:** Acute inhalation Toxicity Category 4  
Corrosive to metals Category 1  
Skin Corrosion Category 1C  
Serious eye damage Category 1  
Hazardous to terrestrial vertebrates

**GHS Signal Word:** DANGER

**GHS Hazard Statements:** H332 Harmful if inhaled  
H290 May be corrosive to metals  
H314 May be corrosive to metals  
H318 Causes serious eye damage

**GHS Pictogram:**



**Precautionary Statements:**

**Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

## SAFETY DATA SHEET

- P234 Keep only in original container.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 Wash hands [and ...] thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
- P264+P265 Wash hands [and ...] thoroughly after handling. Do not touch eyes.
- Response
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P317 Get emergency medical help.
- P390 Absorb spillage to prevent material damage.
- P301+P330  
+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+P361  
+P354 IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes.
- P363 Wash contaminated clothing before reuse.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P316 Get emergency medical help immediately.
- P321 Specific treatment (see ... on this label).
- P305+P354  
+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- Storage:
- P406 Store in corrosive resistant/... container with a resistant inner liner.
- P405 Store locked up.
- Disposal:
- P501 Dispose of contents/container in accordance with local/regional/international regulations.

### Potential Health Effects:

- |            |   |
|------------|---|
| Swallowed  | Liquid is corrosive to mucous membranes   |
| Eyes       | Extremely irritating can cause damage.  |
| Skin       | Extremely irritating to skin can cause immediate burns.   |
| Inhalation | Vapour is corrosive and irritating to the respiratory tract. Exposure to high concentrations may cause bronchitis |

## SAFETY DATA SHEET

### Section 3. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	CAS Number
Water	<80	7732-18-5
Phosphoric Acid	<50	7664-38-2
Alcohol Ethoxysulphate	<1	9004-82-4
Ethylene Glycol monobutyl ether	>1	111-76-2

### Section 4. First Aid Measures

#### Routes of Exposure:

Eye	Hold eyes open and flush with water for at least 15 minutes. Seek medical attention immediately. <b>TAKE THIS SDS or CONTAINER.</b>
Skin	Immediately remove contaminated clothing and wash skin and clothes thoroughly with soap and water.
Ingestion	Do not induce vomiting. Give large quantity of milk or water. Seek medical attention immediately. <b>TAKE THIS SDS or CONTAINER.</b>
Inhalation	Remove to fresh air. If breathing is difficult seek medical attention immediately

### Section 5. Fire Fighting Measures

Suitable Extinguishing media	Dry Chemical powder.
Fire and Explosion hazards	Non-combustible liquid but will form corrosive vapour.
Fire Fighting Instructions	Fire fighters must use recommended protective equipment and self-contained breathing apparatus. <b>Hazchem Code 2X</b>

### Section 6. Accidental Release Measures

Land Spill or Leaks	Wear protective gloves and goggles and protect exposed skin. Remove unprotected personnel from the area. Contain spill with sand, earth or vermiculite. Transfer to a waste container. Label container as hazardous waste, toxic and corrosive, for approved disposal.
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## SAFETY DATA SHEET

Water Small spills and leaks should not pose any long term effects to aquatic environment. Large spills should be advised to the nearest regional council pollution officer to assist with containment and remediation.

### Section 7. Handling and Storage

Handling Advice: For normal label use it is advisable to wear goggles and gloves. For bulk handling and transfer use a full-face mask, gloves, and safety gumboots.

Storing Procedures: Store away from heat and direct sunlight. Do not store next to food or feedstuffs. Check regularly for leaks. Ensure adequate ventilation. **Keep out of reach of children.**

### Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use in well ventilated area. Ensure containers have hazardous labels.

Personal Protective Equipment: Advisable to wear PVC or Viton gloves for normal label use. For bulk use and transfer also wear SAA approved acid vapour respirator and PVC safety gumboots.

### Section 9 Physical and Chemical Properties

Physical State: Liquid

Colour:

Odour: Sharp. acidic

pH: <1

Solubility in water: 100%

Boiling point: 100°C

Freezing Point: 0°C

Flash Point: Not applicable

Specific Gravity: 1.0

Vapour Pressure@ 25°C, mmHg: Treat as water

### Section 10. Stability and Reactivity

Chemical Stability Stable, but will give off corrosive vapour.

Conditions to Avoid High temperatures

## SAFETY DATA SHEET

Incompatibility	Metals and strong alkalis
Hazardous Decomposition Products:	Can form hydrogen in the presence of zinc or aluminium. Toxic fumes in a fire

### Section 11 Toxicological Information

Acute Inhalation Toxicity	LC <sub>50</sub> Mouse (inhalation) 4Hour 14mg/L air
Long term Effects	Insufficient information is available to establish any chronic effects
Toxicological Data	Insufficient information available

### Section 12. Ecotoxicological Information

Environmental Precautions:

Ecological Toxicity:	Toxic to all forms of marine organisms, terrestrial vertebrates, and invertebrates
Environmental Fate:	
Soil	Biodegradable, not likely to persist.
Water	Biodegradable, not likely to persist.
Environmental Exposure Limits:	EEL water Not set.

### Section 13. Disposal Considerations

Disposal Methods	Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws
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### Section 14 Transport Information

Road, Rail, Marine and Air Transport:

UN No	: 3264
DG Class	: 8
Packing Group	: III
Shipping Name	: Corrosive liquid acid inorganic N.O.S. (Phosphoric Acid).

### Section 15 Regulatory Information

<b>HSNO approval code:</b>	HSR002526 Cleaning Products (Corrosive) Group Standard 2020.
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## SAFETY DATA SHEET

### Section 16 Other Information

Supplied in 1lt, 5lt, 20lt containers. Code: GRKD-1, GRKD-5 & GRKD-20.

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand proprietor, Car Clean Products NZ Limited,  
Phone: 09 250 0091, if further information is required.

## **SAFETY DATA SHEET**

### **ACID DESCALER**

#### **PURPOSE:**

Removes mineral deposits and sanitises. Suitable to remove the heaviest lime scale build up from dishwashing and glass washing machines.

#### **DIRECTIONS:**

Switch off the machines dosing equipment (if applicable). Dilute descaler depending on the buildup of scale and spray directly onto the affected areas. Run the machine and rinse thoroughly with clean water. Repeat as often as required until descaler residue is gone.

#### **WARNING:**

Corrosive to human tissue. Harmful if swallowed, inhaled, or absorbed through the skin. May cause burns to skin and eyes.

**KEEP OUT OF REACH OF CHILDREN.**