



Car Clean Products NZ Limited  
 Ph + 64 9 250 0091 - Fax + 64 9 250 0092 - [www.pacer.co.nz](http://www.pacer.co.nz)  
 33 Ha Crescent, Wiri - P O Box 97 948 - Manukau – Auckland 2241 - New Zealand

## 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

Telephone: 09 250 0091  
 Fax Number: 09 250 0092

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

Date of MSDS Preparation: May 2015

### Section 2. Hazards Identification

#### 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  
Exposure

Vapour is corrosive and irritating to the respiratory tract.  
to high concentrations may cause bronchitis

### Section 3. Composition / Information on Ingredients

| Ingredients                     | Proportion (% mass) | Cas No    |
|---------------------------------|---------------------|-----------|
| 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  |
| Nitrilotriacetic acid           | <5                  | 5064-31-3 |

### 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. |

**Hazchem Code 2X**

## 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. |
| 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. <b>Keep out of reach of children.</b> |

## 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                                                              |
| 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:

|                            |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| <i>Ecological Toxicity</i> | <i>Toxic to all forms of marine organisms, terrestrial vertebrates and invertebrates.</i> |
|----------------------------|-------------------------------------------------------------------------------------------|

### Environmental Fate:

|             |                                             |
|-------------|---------------------------------------------|
| <i>Soil</i> | <i>Biodegradable, not likely to persist</i> |
|-------------|---------------------------------------------|

|              |                                             |
|--------------|---------------------------------------------|
| <i>Water</i> | <i>Biodegradable, not likely to persist</i> |
|--------------|---------------------------------------------|

|                               |                                |
|-------------------------------|--------------------------------|
| Environmental Exposure Limits | EEL <sub>water</sub> : Not set |
|-------------------------------|--------------------------------|

## Section 13. Disposal Considerations

Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws

## Section 14 Transport Information

### Road, Rail, Marine and Air Transport

|       |      |
|-------|------|
| UN No | 3264 |
|-------|------|

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Class-primary        | 8                                                        |
| Packing Group        | III                                                      |
| Proper Shipping Name | Corrosive liquid acid inorganic N.O.S. (Phosphoric Acid) |

## Section 15 Regulatory Information

|                     |                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| HSNO Classification | Acutely toxic class 6.1D,<br>Corrosive to metals 8.1A<br>Corrosive to skin 8.2C<br>Corrosive to eye 8.3A<br>Ecotoxic to terrestrial vertebrates 9.3C |
| Group Standard      | Cleaning Products (Corrosive)                                                                                                                        |
| ERMA Approval No    | HSR002526                                                                                                                                            |

## Section 16 Other Information

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

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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.

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## **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 build up 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.**