



Car Clean Products NZ Limited  
 Ph + 64 9 250 0091 - Fax + 64 9 250 0092 - 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: Auto Dishwash Detergent  
 Product Code: GRK4  
 Product Use: A highly concentrated machine dishwashing detergent.

Address: New Zealand Supplier:  
 Car Clean Products NZ Limited  
 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: April 2019

### Section 2. Hazards Identification

**This product contains sodium hydroxide in sufficient quantity to cause corrosive damage to unprotected eyes and skin.**

#### Potential Health Effects



Swallowed	Acutely toxic
Eyes	Corrosive and capable of causing damage with possible loss of sight.
Skin	May produce burns
Inhalation	Not normally a hazard due to non-volatile nature of product. The vapour/mist is irritating to upper respiratory tract

### Section 3. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	Cas No
Water	>90	7732-18-5
Sodium Hydroxide	<10	1310-73-2
Nitrilotriacetic acid	<10	5064-31-3
Alanine N,N-Bis(carboxymethyl)- ,Trisodium Salt	<5	164462-16-2
Detergent Polymer	<5	Not Given

### Section 4. First Aid Measures

Routes of Exposure:

Eye	Hold eyes open and flush with water. If irritation occurs obtain medical attention
Skin	Wash thoroughly with soap and water
Ingestion	Give large quantities of milk or water. Do not induce vomiting. Seek medical attention immediately.
Inhalation	Remove to fresh air. If breathing is difficult, seek medical attention immediately

### Section 5. Fire Fighting Measures

Suitable Extinguishing media	Foam, Carbon Dioxide, Dry Chemical powder, Water Spray
Fire and Explosion hazards	Non combustible liquid
Fire Fighting Instructions	Fire fighters must use recommended protective equipment and self-contained breathing apparatus

**Hazchem code 2R**

### Section 6. Accidental Release Measures

Land Spill or Leaks	Small spills or leaks can be absorbed into sand, soil or approved spill kit material which is then collected for domestic rubbish disposal. Gloves and goggles should be worn.
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Unprotected personnel must be cleared from large spills or leaks. Cleanup personnel should shovel or pump waste into clean containers for decontamination and reuse. Alternatively the containers must be labelled "Hazardous Waste – inorganic corrosive liquid" and sent for disposal to an approved waste disposal location.

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.

## **Section 7. Handling and Storage**

Handling Advice: Wear full-face mask, gloves, and safety gumboots. Contact lenses pose a special hazard - soft lenses may absorb irritants and all lenses concentrate them

Storing Procedures: Store away from direct sunlight. Check regularly for leaks. Ensure adequate ventilation

## **Section 8 Exposure Controls / Personal Protection**

Engineering Controls: Use in well ventilated area

Personal Protective Equipment: Wear full-face mask, gloves, and safety gumboots. Contact lenses pose a special hazard - soft lenses may absorb irritants and all lenses concentrate them

## **Section 9 Physical and Chemical Properties**

Physical State: Liquid  
 Colour: Reddish  
 Odour: Sharp in back of throat  
 pH: 13.3  
 Solubility in water, % mass: 100%  
 Relative Vapour Density (air=1):  
 Boiling point, °C : 140  
 Freezing Point:  
 Flash Point, °C : Not applicable  
 Specific Gravity:  
 Vapour Pressure@ 25°C, mmHg: Not applicable

## **Section 10. Stability and Reactivity**

Chemical Stability Stable. Does not react or polymerise

Conditions to Avoid High temperatures above 40°C

Incompatibility aluminium, zinc

Hazardous Decomposition  
metals

may form hydrogen gas in contact with above

## Section 11 Toxicological Information

Acute Oral Toxicity	LD <sub>50</sub> Rat (oral) 4900 mg/kg (mixture rule calculation)
Acute Dermal Toxicity	LD <sub>50</sub> rat (dermal) expected to be > 5000 mg /kg
Long term Effects	May cause skin sensitisation
Toxicological Data	Not available

## Section 12. Ecotoxicological Information

### Environmental Precautions:

*Ecological Toxicity* Harmful to soil organisms.

### Environmental Fate:

*Soil* Biodegradable and not expected to persist

*Water* Biodegradable and not expected to persist

Environmental Exposure Limits EEL<sub>water</sub> Not set

## Section 13. Disposal Considerations

Empty containers must be either triple rinsed before reuse or disposal. If for disposal they must be crushed or punctured to prevent further unauthorized use.

## Section 14 Transport Information

### Road, Rail, Marine and Air Transport

UN No	2922
Class-primary	8
Packing Group	II
Proper Shipping Name:	Corrosive Liquids, Toxic, NOS (Alkali)

## Section 15 Regulatory Information

Classification	6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C.
Group Standard	Cleaning Products (Corrosive)
ERMA Approval No	HSR002526

<b>Section 16</b>	<b>Other Information</b>
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Supplied in 5lt, 20lt. Code: GRK4-5, GRK4-20.

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.



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## **AUTO DISHWASH DETERGENT**

### **PURPOSE:**

Auto Dishwash Detergent is a bio-degradable machine dishwashing liquid. It is a highly concentrated economical detergent suitable for machine washing crockery, cutlery & glassware. Designed for use in commercial restaurants, bars, clubs, bakeries, fast food outlets, coffee shops etc to remove tough oils and leave behind a streak free finish.

### **Directions:**

Follow your machines recommend ratio of detergent. Generally 1 to 3 mls/litre is suitable for use in automatic dispensers. If glassware is cloudy then the ratio is too strong – adjust the auto feed valve until the cloudiness disappears.

### **WARNING:**

Harmful if swallowed. Do not eat or drink while using. Wash hands after use. Store in original container tightly closed away from food. Dispose of empty container in a safe manner.

### **FIRST AID:**

If swallowed do not induce vomiting. If medical advice is needed have product container or label at hand. Call a POISON Centre or doctor if you feel unwell. In case of eye contact hold eyes open and flush with water. If skin contact occurs wash with soap and water. In an emergency phone National Poisons Info Center (24hrs) 0800 POISON 764 768.

**KEEP OUT OF REACH OF CHILDREN.**

