

## SAFETY DATA SHEET

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

Product: Industrial Auto Dishwash Detergent  
Product Code: GRK5  
Product Use: A highly concentrated machine dishwashing detergent.  
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: June 2024

### Section 2. Hazards Identification

**Classification:** 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C  
Acute dermal toxicity Category 4  
Corrosive to metals Category 1  
Skin corrosion Category 1B  
Serious eye damage Category 1  
Hazardous to the aquatic environment chronic Category 4  
Hazardous to terrestrial vertebrates

**GHS Signal Word:** DANGER

**GHS Hazard Statements:** H312 Harmful in contact with skin  
H290 May be corrosive to metals  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye irritation  
H413 May cause long lasting harmful effects to aquatic life

**GHS Pictogram:**



**Precautionary Statements:**

**Prevention:**

P280 Wear protective gloves/protective clothing/eye protection/face

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protection/hearing protection/...

P264+P265 Wash hands thoroughly after handling. Do not touch eyes.

P273 Avoid release to the environment.

P234 Keep only in original container.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands thoroughly after handling. ,

### Response

P302+P352 IF ON SKIN: wash with plenty of water/...

P317 Get emergency medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

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 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

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Ingredients	Proportion (% mass)	CAS Number
Water	>80	7732-18-5
Sodium Hydroxide	>10	1310-73-2
Alanine N,N-Bis(carboxymethyl)- ,Trisodium Salt	<5	164462-16-2
Detergent Polymer	<20	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. 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
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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

Appearance	Liquid
Odour:	Sharp in back of throat
Odour threshold	Not available
pH:	13.3
Melting/Freezing point	Not available
Initial boiling point	Not available
Flash point	Not applicable
Flammability	Not flammable
Upper/Lower flammability	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Water
Partition coefficient	Not available

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Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Kinematic viscosity	Not available
Particle characteristics	Not available

### 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 Products:	May form hydrogen gas in contact with above metals.

### Section 11 Toxicological Information

Acute Oral Toxicity	LD <sub>50</sub> Rat (oral) 4900 mg/kg (mixture rule calculation)
Acute Dermal Toxicity	LD50 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 water Not set.

### Section 13. Disposal Considerations

Disposal Methods	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.
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### Section 14 Transport Information

Road. Rail. Marine and Air Transport:

UN No : 2922

DG Class : 8

Packing Group : II

Shipping Name : Corrosive Liquids, Toxic, NOS (Alkali)

### Section 15 Regulatory Information

**HSNO approval code:** HSR002526 Cleaning Products (Corrosive) Group Standard 2020.

### Section 16 Other Information

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.

## SAFETY DATA SHEET

# INDUSTRIAL AUTO DISHWASH DETERGENT

### PURPOSE:

Industrial Auto Dishwasher Detergent is a blended alkaline machine dishwashing detergent formulated for machine washing crockery, cutlery & glassware. Designed for use on glass, china, stainless steel and plastic 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.