

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.
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: Acute dermal toxicity Category 4
Corrosive to metals Category 1
Skin corrosion Category 1B
Serious eye damage Category 1
Hazardous to 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 damage
H413 May cause long lasting harmful effects to aquatic life

GHS Pictogram:



Precautionary Statements:

Prevention:

P234 Keep only in original container.

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

SAFETY DATA SHEET

- P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P273 Avoid release to the environment.

Response

- 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.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P316 Get emergency medical help immediately.
P317 Get emergency medical help.
P321 Specific treatment (see ... on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.

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

Ingredients	Proportion (% mass)	CAS Number
Water	>90	7732-18-5

SAFETY DATA SHEET

Sodium Hydroxide	>10	1310-73-2
Alanine N,N-Bis(carboxymethyl)- ,Trisodium Salt	<10	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	Not 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.
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

SAFETY DATA SHEET

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

SAFETY DATA SHEET

Hazardous Decomposition Products: may form hydrogen gas in contact with above metals

Section 11 Toxicological Information

Acute Inhalation Toxicity	LD ₅₀ 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.

Section 14 Transport Information

Road. Rail. Marine and Air Transport:

UN No : 2922

DG Class : 8

Packing Group : II

Shipping Name : Corrosive Liquids, Toxic. N.O.S., (Alkali)

SAFETY DATA SHEET

Section 15 Regulatory Information

HSNO approval code: HSR002526 Cleaning product (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

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.