



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: Industrial Auto Dishwash Detergent
 Product Code: GRK5
 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 2015

Section 2. Hazards Identification

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

Potential Health Effects



Warning

H302 Harmful if swallowed
H312 Harmful in contact with skin
H332 Harmful if inhaled.

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	>80	7732-18-5
Sodium Hydroxide	>10	1310-73-2
Nitrilotriacetic acid	>10	5064-31-3
L-Glutamic Acid	<5	51981-21-6
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.
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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

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
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	may form hydrogen gas in contact with above metals

Section 11 Toxicological Information

Acute Oral 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

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

Section 16	Other Information
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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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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 machine's 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.