



Car Clean Products NZ Limited  
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 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: Anti Freeze  
 Product Code: ANT  
 Product Use: Car coolant antifreeze

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: July 2015

### Section 2. Hazards Identification

#### Potential Health Effects



#### DANGER

#### H370 Causes damage to organs

Swallowed	Hazardous causes kidney damage
Eyes	Eye irritant.
Skin	Skin irritant
Inhalation	No data available. Not expected to be an inhalational hazard at ambient temperature

### Section 3. Composition / Information on Ingredients

Hazardous Ingredients	Proportion (% mass)	CAS No
1,2 – Ethanediol (ethylene glycol)	>80	107-21-1
Inhibitor	>5	not available
Sodium Hydroxide	>1	1310-73-2

### Section 4. First Aid Measures

#### Routes of Exposure:

Eye	Hold eyes open and flush with water.
Skin	Wash with soap and water.
Ingestion	Do not induce vomiting. Give large quantities of milk or water to drink. Seek medical attention immediately
Inhalation	Remove to fresh air. If breathing difficulties continue see medical attention.

### Section 5. Fire Fighting Measures

Suitable Extinguishing media	Carbon dioxide, dry chemical powder, alcohol resistant foam, water spray, sand or earth
Fire and Explosion hazards	Carbon Monoxide and/or carbon dioxide
Fire Fighting Instructions	Use proper protective equipment, notify authorities if liquid enters storm water drains

### Section 6. Accidental Release Measures

Land Spill or Leaks	Small spills or leaks absorb with sand, sawdust or vermiculite (kitty litter). Sweep or brush into waste container. Use large quantity of water to clean residue. Contain large spill or leak with sand-filled bags or 'sausage'. Pump or shovel into clean container for reuse if possible or dispose to an approved landfill. Use large quantity of water to clean residue.
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## **Section 7. Handling and Storage**

Handling Advice: Use only in well ventilated areas

Storing Procedures: Keep containers closed at all times - check regularly for leaks

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

Engineering Controls: Nothing specific

Personal Protective Equipment: Normal industrial ventilation. Wear goggles to protect eyes, chemical apron and rubber gloves to protect the skin.

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

Appearance	Green liquid
Odour:	Odourless
Odour threshold	Data not available
PH:	alkaline
Melting/Freezing Point	<0C
Initial Boiling point, °C :	195-204
Flash Point by PMCC :	116°C
Flammability	Data not available
Upper/Lower flammability	Data not available
Vapour Pressure@ 25°C, mmHg	<10
Vapour Density	Data not available
Relative Density	Data not available
Solubilities	Water
Partition Coefficient	Data not available
Auto-ignition Temperature	Data not available
Decomposition temperature	Data not available
Kinematic viscosity	Data not available
Particle characteristics	Data not available

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

Chemical Stability Chemically stable. Will not react or polymerise.

Conditions to Avoid Avoid contact with strong oxidising agents and acids

Incompatibility Avoid contact with strong oxidising agents and acids

Hazardous Decomposition

**Section 11 Toxicological Information**

Toxicological Information	Lethal dose in humans about 1.4 ml /kg body weight (as 100% ethylene glycol)
Acute Oral Toxicity	LD <sub>50</sub> Rat 8540 mg / kg body weight
Acute Dermal Toxicity	LD50 RAT > 2000 mg/kg.
Ingestion	Slightly hazardous. Affects kidneys
Skin Irritation	Slightly irritating
Eye Irritant	Moderate eye irritant
Inhalation	No data available. Not expected to be an inhalational hazard at ambient temperature
Long term Effects	Hazardous if ingested in small quantities over time.

**Section 12. Ecotoxicological Information**Environmental Precautions

<i>Ecological Toxicity</i>	Non toxic to aquatic organisms and organisms in sewage treatment plants. Poses a significant risk of oxygen depletion in aquatic systems.
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Environmental Fate

<i>Soil</i>	Biodegradable. Does not bio accumulate significantly
<i>Water</i>	Biodegradable.
Environmental Exposure Limits	EEL <sub>water</sub>

**Section 13. Disposal Considerations**

Flush area with plenty of water. Transfer contaminated material to a sealed container labelled "hazardous waste" for disposal to approved landfill.

**Section 14 Transport Information**Road, Rail, Marine Transport and Air Transport

UN No	:	Not applicable
Class-primary	:	Not applicable
Packing Group	:	Not applicable
Proper Shipping Name:	:	Not applicable

**Section 15      Regulatory Information**

Group Standard	Water Treatment Chemical (subsidiary hazard)
ERMA Approval No.	HSR 002684
HSNO Classification	6.1E, 6.4A, 6.9A, 9.3C (as 100% ethylene glycol)

**Section 16      Other Information**

Supplied in 4lt, 20lt, 200lt. Code: ANT4, ANT20, ANT9.

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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.

Prepared by:                      Technical Strategy Group Ltd, [www.techstrat.co.nz](http://www.techstrat.co.nz)



## ANTIFREEZE

### **PURPOSE:**

Antifreeze and Coolant protects against the corrosion of all cooling system metals, including aluminium. It helps the cooling system in hot weather by increasing the boiling point and protects the system against freezing down to  $-36^{\circ}\text{C}$ .

### **DIRECTIONS:**

For best results flush the cooling system first. Pre-mix 50% Antifreeze with 50% water in a clean container and then add the mixture to the vehicle radiator. If in doubt consult your vehicle handbook.

### **WARNING:**

Harmful if swallowed or absorbed through the skin.

**KEEP OUT OF REACH OF CHILDREN**