

# Product Bulletin

## AOC5000 LONG LIFE COOLANT CONCENTRATE

### Product Description

- ◆ An All-Organic blend of corrosion inhibitors and ethylene glycol designed to provide superior long-life corrosion protection and anti-freeze/anti-boil protection for all types of petrol, diesel and gas engines in passenger and light commercial vehicles, heavy duty commercial, industrial, on highway, marine, mining and stationary applications.

### Product Benefits

- ◆ Maximises the period between changing coolant
  - Passenger vehicles and light commercial transporters – 200,000kms / 5 years (whichever comes first).
  - Heavy duty vehicles – 1,000,000km/6 years,/12,000 hrs (When good quality water is used and as directed)
- ◆ Provides maximum anti-freeze/anti-boil protection.
- ◆ Minimal disposal volume of spent coolant required.
- ◆ Provides optimum reliability and operating life of water pump (silicate free product).
- ◆ Maximises protection of all metals commonly found in the engine cooling system.
- ◆ Excellent liner pitting and cavitations protection.
- ◆ Maximizes fuel economy by keeping the engine at the optimum operating temperature.
- ◆ Protects against scale, rust and residue buildup.
- ◆ Formulated tested and manufactured in Australia for Australian conditions.
- ◆ Exceeds the following performance and specification requirements:-  
All major engine manufacturers for passenger, truck and machinery applications.  
**ASTM's** D1384, D1881, D2809, D2570,, D1287, D1121, D3634, D4340  
**AS2108 - 2004 (Type A)** and most international performance specifications.

### Principle Uses

- ◆ All on-road and stationary petrol, diesel and gas fuelled engines, including passenger and light commercial vehicles, buses, tractors, trucks, also marine engines, mining equipment and stationary engines.

### Handling

- ◆ Refer to the AOC5000 MSDS Sheet before using this product



## Instructions for Use

- ◆ Before treatment, pre-clean the cooling system by:: -
  - Draining the existing coolant and chemically clean the system to remove any rust, dirt, oil and built up residue.
  - Use AOC4000 radiator Cleaner & Clean the System effectively & thoroughly.
- ◆ Initial Dosage:
  - AOC5000 coolant can be dosed 33% or 50% v/v with clean soft water. The dosage will depend on freeze protection required and climatic conditions or engine manufacturer's recommendation.
- ◆ Anti-freeze/Anti-boil Protection
 

AOC5000	Water	Min Temp	Max Temp
1 part	1 part	-34°C	129°C
1 part	2 parts	-19°C	125°C
- ◆ Preventative Maintenance:
  - Never top up with water as this will dilute the coolant. Always top up with AOC5000Coolant mixed with clean, soft water as directed.
- ◆ Passenger Vehicles:
  - There is no requirement to replenish inhibitor during the life of the coolant. Coolant should be drained and replaced within 5 years or more often in adverse conditions
- ◆ Heavy duty diesel vehicles:
  - These vehicles do not require the coolant to be re-dosed at regular intervals or replacement of expensive water filters. Performance period is 1,000,000kms / 12,000 hours or 6 years, which ever comes first. Top up with AOC5000 mixed as described above if fluid is lost.
  - Consult Australian Organic Coolants if clarification is required.
- ◆ Australian Organic Coolants recommend this product not get mixed with other brands of coolants or inhibitors other than AOC1000,AOC1500 or AOC5500

## Service

- ◆ On-site technical assistance can be provided to implement and evaluate a treatment program using AOC5000
- ◆ The technical support of a NATA registered laboratory is also available as an integral part of the supply of all Australian Organic Coolants products.

