

## TRU GRIT AC-1 COOLANT

### Description

AC-1 is a premium quality, long life, organic, water based rust and corrosion inhibitor. It has been formulated using organic acid technology (OAT) with high performance being a key objective and no low or inferior ingredients have been used

This product gives superior corrosion protection to all metals found in engine cooling systems. It exceeds the performance requirements of Australian Standard AS/NZS 2108.1-2004 Type B coolant. AC1 gives excellent protection against liner pitting in heavy duty diesel engines and is suitable for use in all vehicles where anti-boil/anti-freeze protection is not required.

### Applications

AC-1 is recommended at a 5 - 7% dosage with clean or demineralised water. AC-1 premix uses only demineralised water.

This product has a service life of 100,000 kms/3yrs in a well maintained automotive engine and up to 4years / 500 000kms / 6000 hrs in a well maintained heavy duty diesel cooling system. Significantly reduces cavitation's, erosion and increases the service life of water pumps. AC1 is totally compatible with AC9. AC9 is recommended where anti boil/anti-freeze protection is required.

AC1 is environmentally safe and biodegradable.

### Typical Physical Characteristics

**Appearance:** Dark Green Mobile Liquid

**pH** 9.00 -9.70

**Odour:** Slight Odour

**Flammable:** Non flammable

**Density:** 1.05 - 1.06

**Melting Point:** Not available

**Boiling Point:** Not available

**Solubility:** Soluble

**Flash Point:** Not applicable

**Reserve Alkalinity:** 80ml

**Specific Gravity:** 1.05 - 1.08

### Specifications

AC-1 (RCI 2001) is recommended in vehicles where the following performance levels are required;

Nalco Maxitreat 3443 (AC-1 Premix) Nalco Maxitreat 3447 (AC-1 Concentrate)  
Powercool GF 9443 (AC-1 Premix) Powercool GF9477-C (AC-1 Concentrate)

## Test Results

### ASTM D 1384—GLASSWARE CORROSION TEST

#### Allowable Weight Loss Typical Weight Loss AC1

Copper 10mg / coupon 0.8  
Solder 15mg / coupon 2.4  
Brass 10mg / coupon 0.1  
Steel 10mg / coupon +1.0  
Cast Iron 10mg / coupon +1.3  
Aluminium 15mg / coupon 13.0

No evidence of any pitting attack.

### ASTM D 4340—ALUMINIUM HEAT REJECTION TEST

#### Allowable Weight Loss Typical Weight Loss AC1

1.0 mg / cm  
2 / week 0.25

### ASTM D 2809—CAVITATION EROSION CORROSION

#### Rating (minimum) AC1

8 9

## Typical Product Codes/ Quantities

Concentrate

A/AC1/(500) 500ml Plastic Bottle (Carton of 12)

A/AC1/1 1L Plastic Bottle (Carton of 6)

A/AC1/5 5L Plastic Jerry Can (Carton of 4)

A/AC1/20 20L Plastic Drum



A/AC1/200 200L Metal Drum

Ready to Use (5% Dilution)

**AC-1 COOLANT**  
**Long Life Organic Rust & Corrosion Inhibitor**  
**Type B Automotive Coolant (AS 2108:2004)**

A/AC1-95/5 5L Ready to Use Plastic Jerry Can (Carton of 4)

**NOTE:** Values stated herein are typical and do not represent a specification.

Revision 2.0	Issued: 2/2/2009	Page 1 of 1
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