



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

www.hi-tecoils.com.au

## PRODUCT DATA SHEET

### LONG LIFE COOLANT (GREEN)

**Hi-Tec Long Life Coolant (Green)** is a unique blend of organic long life corrosion inhibitors and ethylene glycol designed to provide superior corrosion protection and anti-freeze/anti-boil protection for all types of petrol, diesel and gas engines in light commercial and passenger vehicles, heavy duty commercial, industrial, on highway, marine, mining and stationary applications.

Benefits of using **Hi-Tec Long Life Coolant (Green)** include:

- ◆ Extends the period between changing coolant
  - Passenger vehicles and light commercial transporters – 250,000kms / 5 years (whichever comes first).
  - Heavy duty vehicles – 1,000,000km / 6 years / 12,000 hrs (with good quality water and product is used 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 cavitation and liner pitting protection.
- ◆ Maximises fuel economy by keeping the engine at the optimum operating temperature.
- ◆ Protects against scale, rust and residue build-up.
- ◆ 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.

### Typical Properties

Colour	Green
Ph 33% solution	8.3 – 9 max
Density, g/ml 20 °C	1.10 min.
Reserve Alkalinity, ml (Ph 5.5)	4
Ethylene Glycol Content wt%	94 min.
Boiling Point	170°C min.
Freezing Point @ 50%	< - 37



AUSTRALIAN FAMILY OWNED SINCE 1989





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### 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.
- ◆ **Hi-Tec Long Life Coolant (Green)** meets or exceeds the following performances specifications:

ASTM D3306 (and D4656)

ASTM D4985 (and D5345)

ASTM D6210

BS 6580 (British Standard)

UNE 26-361-88/1

FVV Heft R443 (Germany)

NATO S-757

BT-PS-606A (MIL-Belgium)

E/L-1415b (MIL-Italy)

SAE J1034

JIS K2234 (Japan) LLC

JASO M325 (Japan) LLC

BR 637

DCEA 615 (MIL-France)

FSD 8704 (MIL-Sweden)

AS/NZS 2108 - 2004 Type A

Daihatsu

Navistar

Mitsubishi ES-X64216

Honda

Hyundai

MAN 324 (Diesel Engines)

VOLVO

Scania (Tech Info. TI 02-98)

Mercedes-Benz Sheet 325.3

Mack-RVI

Caterpillar EC-1

Cummins 90 T8-4

Detroit Diesel/Perkins

Komatsu

General Motors GM 6277M

General Motors GM 1899M

Ford WSS-M97B44-C

Volkswagen VW TL774D

Audi/SEAT/Skoda

ISUZU

BMW N600 69.0

Subaru

SAAB

DAF-Leyland 74001

Mazda MES 121C

Toyota TS K2601 G



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### 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 Hi-Tec Oil Radiator Treatment to clean the system effectively and thoroughly.
- ◆ Initial Dosage:
  - **Hi-Tec Long Life Coolant (Green)** can be dosed 33% or 50% v/v with clean soft water. The dosage will depend on freeze protection required or engine manufacturer's recommendation.
- ◆ Anti-freeze/Anti-boil Protection

•	LLC Green	Water	Min Temp	Max Temp
	1 part	1 part	-37°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 **Hi-Tec Long Life Coolant (Green)** Coolant 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 **Hi-Tec Long Life Coolant (Green)** mixed as described above if fluid is lost.
  - Consult your Hi-Tec Oils representative if clarification is required.
- ◆ Hi-Tec Oils recommends that this product does not get mixed with other brands of coolants or inhibitors.

Item Code: HI8-3240-

Available in: 205 Litres, 20 Litres

"The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes".

Effective: December 2012

Expires: December 2014

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