

# Reco-Cool Glyco-Cool Long-Life OAT Concentrate Antifreeze/ Coolant

## Long Life Organic Acid Technology (OAT) Coolant Concentrate

**Reco-Cool Glyco-Cool Long-Life OAT Concentrate Antifreeze/ Coolant is a fully formulated, long-life organic additive technology designed for use in both automotive and heavy-duty diesel engine coolant applications. It is free of silicates, phosphates, borates, nitrites, and amines.**

### Applications

Reco-Cool Glyco-Cool Long-Life OAT Concentrate Antifreeze/ Coolant is based on Recochem proprietary organic additive technology. The primary corrosion inhibitors in this product have shown little depletion from original levels during extensive laboratory experiments, controlled fleet trials, and commercial use.

The product is a high performance long life automotive coolant for use in automotive applications, where other similarly formulated products are used such as GM DEX-COOL™. The product can also be used with confidence in light, medium and heavy duty road transport diesel powered vehicles.

The product is a concentrated antifreeze/coolant and should be diluted 50% with good quality water (demineralised or deionised) before use.

### Performance Features and Benefits

- **Long life organic additive technology**

This product when used in automotive applications is suitable for up to 5 years or 250,000km, whichever comes first.

- **Free from silicates, phosphates, borates, nitrites and amines**

When used in long haul or heavy-duty applications, there is no need to charge initially the fresh coolant with SCAs.

- **Compatibility**

This product is fully compatible with other similarly formulated organic additive technology long life engine coolants. The product is also widely compatible with other silicate-free engine coolants.

- **Extended shelf life**

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to two years after manufacture.

### Specifications and Approvals

Reco-Cool Glyco-Cool Long-Life OAT Concentrate Antifreeze/ Coolant is recommended for use where the following industry and OEM specifications are required (when pre-diluted as described in this document):-

|              |                                |
|--------------|--------------------------------|
| ASTM         | D3306 / D4985 /D6210-10 /D7583 |
| AS/NZS       | 2108:2004 Type A               |
| AFNOR        | NFR 15-601                     |
| BS           | 6580                           |
| JIS          | K2234                          |
| SAE          | J1034/J1941                    |
| DDC          | 93K217                         |
| GM           | 1825M/1899M/6277M, Heavy Truck |
| GM           | DEX-COOL™                      |
| FORD         | WSS-M97B44-D                   |
| Renault      | Type D                         |
| VW           | TL 774 F                       |
| Audi/Porsche | TL 774 F                       |
| Nissan       | NES 5059 LLC                   |
| Peugeot      | B71 5110                       |

### Health & Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Recochem representative.

### Protect the Environment

Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.



### Typical Physical and Chemical Characteristics

| <b>Reco-Cool Glyco-Cool Long-Life OAT Concentrate Antifreeze/ Coolant</b> | <b>Method</b> | <b>Units</b> | <b>Performance</b>             |
|---|---------------|--------------|--------------------------------|
| Appearance  | Visual        |              | Violet, Clear and Bright Fluid |
| pH (50% v/v solution)   | ASTM D 1287   |              | 7.8 – 9.5                      |
| Reserve Alkalinity  | ASTM D 11121  | mL 0.1N HCL  | 4.5 min                        |
| Specific Gravity (15 DegC)  | ASTM D 1122   | kg/L         | 1.110 – 1.135                  |
| Freeze Point (50% v/v solution)   | ASTM D 1177   | Deg C        | -37                            |
| Chloride  | ASTM D 3634   | ppm          | 25 max                         |
| Total Glycol  |               | %w/w         | 94.0 min                       |
| Total Apparent Water  |               | %w/w         | 4.0 max                        |

These characteristics are typical of current production. Whilst future production will conform to Recochem's specification, variations in these characteristics may occur.

