

# Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant

**‘Ready-to-Use’ Long-Life Hybrid Nitrited and Silicated Organic Acid Technology Coolant 50% Pre-Diluted**

Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant is a low silicate, nitrited, fully formulated, hybrid organic acid technology automotive and heavy-duty diesel engine coolant. This product does not require a charge of supplemental coolant additive (SCA) during the initial fill. The product is pre-diluted and is ready to use. It is free of any phosphates and amines.

Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant is designed for use in both automotive and heavy-duty applications.

## Applications

Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant can be used in both automotive and heavy-duty applications. This product is ‘ready-to-use’ and should not be diluted further with water. It is suitable for use in both Petrol and Diesel powered engines.

This product is particularly suited in applications which require a hybrid technology which is nitrited and low-silicated, and yet is amine and phosphate free.

## Performance Features and Benefits

- **Long life hybrid organic acid technology**  
In Petrol Engine applications, this product is suitable for 5 years or 250,000km, whichever comes first. In Diesel applications, the product is suitable for 500,000km or 6000hr lifetime prior to first SCA addition requirement, whichever comes first.
- **No initial charge SCA requirement**  
When used in long haul or heavy-duty applications, there is no need to charge initially the fresh coolant with SCAs.
- **Universal use**  
Meets or exceeds standard industry requirements for automotive and heavy-duty diesel applications.
- **Widely compatible with other coolants**  
Product is widely compatible with other engine coolants; although to get best performance (regarding issues such as long life and time between SCA addition), it is best to flush the old

coolant and replace with Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant.

## Specifications and Approvals

Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant meets or exceeds the following engine coolant specifications:-

|                |                            |
|----------------|----------------------------|
| ASTM           | D 3306 / D 4985 / D 6210   |
| AS/NZS         | 2108:2004 Type A           |
| Caterpillar    | EC-1 (Sec 2.3 – 4.5 incl.) |
| Cummins        | Bulletin #3666132          |
| Detroit Diesel | Bulletin #7SE298           |
| GM             | 1825M/1899M                |
| JD             | JDM HD24                   |
| MAN            | 324 TUC 1637/77            |
| MTU            | (EVP 1 1827/MTL 5048) & NA |
| MB             | DBL 7700                   |
| SAE            | J1034/J1941                |
| Saab/Scania    | 6901                       |
| TMC            | RP 329                     |

## 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.

## 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.



**Typical Physical and Chemical Characteristics**

| <b>Reco-Cool HD Premium-N 50% Pre-Diluted Antifreeze/ Coolant</b> | <b>Method</b> | <b>Units</b> | <b>Performance</b>                         |
|---|---------------|--------------|--|
| Appearance  | Visual        |              | Fluorescent Yellow, Clear and Bright fluid |
| pH (as sold)  | ASTM D 1287   |              | 7.6 – 8.6                                  |
| Reserve Alkalinity  | ASTM D 11121  | mL 0.1N HCL  | 3 min                                      |
| Specific Gravity (15 DegC)  | ASTM D 1122   | kg/L         | 1.070 – 1.080                              |
| Water Content   | ASTM D 1123   | % w/w        | 49.0 – 51.0                                |
| Freeze Point (as sold)  | ASTM D 1177   | Deg C        | -37  |
| Chloride  | ASTM D 3634   | ppm          | 25 max                                     |

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

