

# Reco-Cool Long-Life OAT P-Formula Concentrate Antifreeze/ Coolant

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

**Reco-Cool Long-Life OAT P-Formula Concentrate Antifreeze/ Coolant is a fully formulated, long-life organic additive technology containing Phosphates but does not contain any Silicates, Borates, Nitrites and Amines. It is designed for use in both automotive and heavy-duty diesel engine coolant applications.**

### Applications

Reco-Cool Long-Life OAT P-Formula Concentrate Antifreeze/ Coolant is based on Recochem proprietary organic additive technology. The product is based on MEG and contains a mixture of organic additives and phosphate and DOES NOT contain any silicates, borates, nitrites and amines.

It protects coolant system metals against rust and corrosion and provides excellent high temperature aluminium protection. It is fully compatible with other similarly formulated OAT coolants and is recommended for use in newer model cars and light duty trucks requiring Phosphated coolants which are amine, nitrite, borate and silicate free.

Reco-Cool Long-Life OAT P-Formula Concentrate Antifreeze/ Coolant must not be mixed with conventional high pH, phosphate, borate, silicate containing coolants, and has a distinctly orange color to help differentiate it from conventional engine coolant. The mixing of conventional coolants with Reco-Cool Long-Life OAT P-Formula Concentrate Antifreeze/ Coolant will result in a lower than expected lifetime (change-over intervals).

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**  
When properly diluted and added as an initial fill, this coolant provides up to 300,000km (180,000 miles) or 10 years service life protection in automotive applications.

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

This product meets the fundamental chemistry requirements in most Japanese, Korean and Asian OEM manufacturers.

- **Corrosion inhibition**

Protects cooling system parts such as brass, copper, solder, steel, cast iron and aluminium, and provides excellent protection for wet sleeve liners against liner cavitation. It also provides excellent water pump and aluminium radiator inhibition performance

- **Compatibility**

This product is compatible with other similarly formulated organic additive technology long life engine coolants. The product will not suffer any silicate gel formation and related inhibitor fallout issues.

### Specifications and Approvals

Reco-Cool Long-Life OAT P-Formula 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 / D6210-10 / D6208 / D7583
AS/NZS	2108:2004 Type A
JIS	K2234
Nissan®	
Toyota®	
Honda®	
Hyundai®	
Kia®	
Mitsubishi®	
Subaru®	
GM	1825M/1899M
FORD	WSS-M97B44-D
VW	TL 774 D



**Health & Safety**

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

**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.

**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 Long-Life OAT P-FORMULA Concentrate Antifreeze/ Coolant</b>	<b>Method</b>	<b>Units</b>	<b>Performance</b>
Appearance	Visual		Orange, Clear and Bright Fluid
pH (50% v/v solution)	ASTM D 1287		7.5 – 8.6
Reserve Alkalinity	ASTM D 11121	mL 0.1N HCL	3.5 min
Specific Gravity (15 DegC)	ASTM D 1122	kg/L	1.120 – 1.140
Freeze Point (50% v/v solution)	ASTM D 1177	Deg C	-37
Chloride	ASTM D 3634	ppm	25 max
Total Silicates	ASTM D 6130	ppm	<10
Total Nitrites		ppm	<10
Total Borates		ppm	<10

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

