

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

## Long-Life Hybrid Silicated Organic Acid Technology Coolant Concentrate

Reco-Cool Long-Life OAT Si-Formula Concentrate Antifreeze/ Coolant is a low silicate, phosphate-free, nitrite free and amine-free, 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. Reco-Cool Long-Life OAT Si-Formula Concentrate Antifreeze/ Coolant has been designed for use in both automotive and heavy-duty applications.

### Applications

Reco-Cool Long-Life OAT Si-Formula Concentrate Antifreeze/ Coolant can be used in both automotive and heavy-duty applications, and is compatible with heat rejecting aluminium surfaces.

This product is particularly suited in applications which require a hybrid technology which is low-silicated, and NAP Free (nitrites/ amines/ phosphates free). 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 hybrid organic acid technology**  
In Petrol Engine applications, this product is suitable for up to 5 years or 250,000km, whichever comes first. In Diesel applications, the product is suitable for up to 1,000,000km or 12,000 hours 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 it is best to flush the old coolant and replace with Reco-Cool Long-Life OAT Si-Formula Concentrate Antifreeze/ Coolant.

### Specifications and Approvals

Reco-Cool Long-Life OAT Si-Formula Concentrate Antifreeze/ Coolant is recommended for use in the following engine coolant specifications (when diluted according to the guidelines noted in this data sheet):-

ASTM	D 3306 / D 6210-10 / D 7583
AS/NZS	2108:2004 Type A
JIS	K2234
BS	6580
SAE	J1034/J1941
Cummins	
DDC	93K217, 7SE 298
MAN	324
MTU	MTL 5048
MB	DBL 7700.00
Saab/Scania	6901
Renault	Type D
VW	TL 774C

### 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 Long-Life OAT Si-Formula Concentrate Antifreeze/ Coolant</b>	<b>Method</b>	<b>Units</b>	<b>Performance</b>
Appearance	Visual		Ice Blue, Clear and Bright fluid
pH (50% v/v solution)	ASTM D 1287		7.5 – 9.0
Reserve Alkalinity	ASTM D 11121	mL 0.1N HCL	12.0 min
Specific Gravity (15 DegC)	ASTM D 1122	kg/L	1.120 – 1.140
Water Content	ASTM D 1123	% w/w	4.5 max
Total Glycol		% w/w	94.0 min
Freeze Point (50% v/v)	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.

