

Reco-Cool Glyco-Cool Concentrate Antifreeze/ Coolant

Long-Life Hybrid Silicated Organic Acid Technology Coolant Concentrate

Reco-Cool Glyco-Cool 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 Glyco-Cool Concentrate Antifreeze/ Coolant has been designed for use in both automotive and heavy-duty applications.

Applications

Reco-Cool Glyco-Cool 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 Glyco-Cool Concentrate Antifreeze/ Coolant.

Specifications and Approvals

Reco-Cool Glyco-Cool Concentrate Antifreeze/ Coolant is recommended for use in the following engine coolant specifications, when diluted 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

Reco-Cool Glyco-Cool Concentrate Antifreeze/ Coolant	Method	Units	Performance
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.

