

Reco-Cool HD-N Concentrate Antifreeze/ Coolant

High Quality Fully Formulated Nitrited Antifreeze/ Coolant Concentrate for Heavy Duty Applications

Reco-Cool HD-N Concentrate Antifreeze/ Coolant is a fully formulated, traditional chemistry corrosion inhibitor technology heavy-duty diesel engine coolant, and is formulated to include silicate, borate, nitrate and nitrite corrosion inhibitors, amongst others. It is phosphate and amine free.

Applications

Reco-Cool HD-N Concentrate Antifreeze/ Coolant is suitable for heavy duty gasoline and diesel engines found in on-road, off-road, farm, mining and construction.

Reco-Cool HD-N Concentrate Antifreeze/ Coolant contains borate, nitrite and silicate corrosion inhibitors. This product does not require a charge of supplemental coolant additives (SCAs) during initial fill or if the coolant is totally replaced.

It is recommended in diesel applications that the coolant be checked and SCAs replenished to comply with the engine OEM recommendations.

This product is specifically formulated to protect cylinder liners from pitting in heavy duty applications. The low silicate levels also provide aluminium compatibility for use in mixed fleet, gasoline and diesel, applications.

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

- **Service life**

This product is suitable for up to 3000 hrs or 300,000 km in heavy duty application under normal operating conditions, whichever comes first, provided the coolant is kept in good conditions with the SCA levels in line with the OEM requirements.

- **Corrosion protection**

This product protects coolant system metals such as copper, solder, brass, steel, cast iron and aluminium against corrosion. It also

protects wet sleeve liners against cavitation and corrosion.

- **Field compatibility**

Reco-Cool HD-N Concentrate Antifreeze/ Coolant is miscible and compatible with other traditional fully formulated coolant products. It is also compatible with standard heavy duty SCAs and coolant filters.

- **Phosphate and amine free**

This product is based on traditional inorganic inhibitors, including silicates, nitrites and borates. It is phosphate and amine free.

Specifications and Approvals

Reco-Cool HD-N Concentrate Antifreeze/ Coolant is recommended for use with the following engine coolant specifications:-

ASTM	D 3306 / D 4985 / D 6210
AS/NZS	2108:2004 Type A
Caterpillar	(Other than EC-1)
Cummins	Bulletin #366132
Chrysler	MS7170
DDC	7SE298; 93K217
Ford	ESE-M97B44-A, ESE-M97B18-C
Freightliner	48-22880
GM	1825M; 1899M; Heavy Truck
International	(IT&E) CEMS-B1
Kenworth	RO26-170-97
Mack	
New Holland	WSN-M97B18-D
Paccar	
Peterbilt	8502.002
SAE	J1034/J1941
TMC	RP 329
Scania	6901
Volvo	Heavy Truck
US Fed	A-A-870-A



Health & Safety

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

Shelf Life

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

Reco-Cool HD-N Concentrate Antifreeze/ Coolant	Method	Units	Performance
Appearance	Visual		Green, Clear and Bright Fluid
pH (50% v/v solution)	ASTM D 1287		10.0 – 11.0
Reserve Alkalinity	ASTM D 11121	mL 0.1N HCL	8.0 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 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.

