

4800.00

Blue Coolant

Engine coolant/anti-freeze based on ethylene glycol, with a corrosion inhibitor package based on organic acids salts. Free of nitrites, amines, phosphates, silicates, borates. Concentrate product. TO BE DILUTED WITH WATER BEFORE USE.

PAKELO BLUE COOLANT is an innovative coolant/anti-freeze, Mono Ethylene Glycol based, easily biodegradable, containing a corrosion inhibitor package based on organic acid salts (OAT Coolant). It is free of nitrites, amines, phosphates silicates and borates.

The use of this special product guarantees:

- protection of engine cooling systems against frost, overheating and excellent heat transfer properties;
- protection all metallic engine components against deposits and corrosion through its special inhibitors;
- compatibility with common elastomers present in cooling systems;
- reduced maintenance of circuit components (thermostat, radiator, water pump, etc.);
- application in mixed fleets (cars, vans, heavy duty systems, excavators, etc.);
- more environmentally friendly thanks to the easy biodegradability of the product;
- greater reliability due to the highly stabilized inhibitor agents;
- difficult incidental ingestion due to the bitter taste of the product.

Water dilution

PAKELO BLUE COOLANT is a concentrate product to be diluted with water before use. It can be mixed with water at any percentage and provides good stability also if mixed with hard waters.

The product should be mixed with demineralized, deionized water or soft water. It is also allowed the use of not hard tap water (water hardness less than 2,7 mmol/l). Do not use sea water, waste water, industrial waste water, etc. and water with chloride and sulphate content more than 100ppm each.

The optimal blend of coolant and water is at a 50/50 volume ratio. In this way frost protection provided is up to -38°C. To guarantee a good protection against corrosion we recommend the use of coolant in water between 33% and 60% in volume corresponding to a frost protection between -18°C and -55°C. It is important to prepare coolant/water mix outside of cooling circuit and before filling it.

Miscibility with other coolants

In order to obtain the best performance and longer drain intervals, we recommend using PAKELO BLUE COOLANT only. Mixing with other coolants is not recommended.

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Application fields

PAKELO BLUE COOLANT is a protection fluid recommended for cooling and heat exchange of all engines for which an efficient protection at high temperatures is essential.

The product has been developed for light duty, heavy duty vehicles and stationary engines with cast iron and/or aluminium and/or ferrous and non ferrous cooling systems.

It can effectively replace previous generation fluids based on nitrites, silicates and borates with high Alkalinity Reserve.

Performance levels

AFNOR NF R 15-601, BS 6580:2010.

Chemical-Physical Characteristics

Blue Coolant	Method analysis	Unit measure	Value
Colour	-	-	blue
Density at 15°C	ASTM D1122	kg/l	1,114
Boiling point	ASTM D1120	°C	> 155
Reserve alkalinity (pH 5,5)	ASTM D1121	ml(HCl)	2,5 - 3,6
pH (33 vol. %)	ASTM D1287	-	8,2
pH (50 vol. %)	ASTM D1287	-	8,4
Foaming at 88°C, break time (v/v - 33gl./67wa.)	ASTM D1881	ml (s)	< 50 (< 5)
Frost protection (50 vol. % solution with water)	-	°C	-38
Frost protection (33 vol. % solution with water)	-	°C	-18

The data just above refer to average values and must not be understood as guaranteed characteristics.

This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.