

COOLANT – ULTRA LPC

Description

TORQ COOLANT ULTRA LPC is an ethylene glycol-based coolant containing cutting-edge phosphate inhibitor technology backed by a robust organic backbone (P-OAT “Phosphated Organic Additive Technology”). Exempt from potentially harmful additives such as nitrites, borates and amines, the coolant also contributes to a safer environment. TORQ COOLANT ULTRA LPC is free of silicates, which excludes any possible issues caused by instable silicate gel or silicate dropout. TORQ COOLANT ULTRA LPC is an all-round coolant that exceeds the industry standards JIS K 2234- 2018, ASTM D3306 and ASTM D6210, and is suitable for use in Japanese and Korean vehicles.

Application

- May be used with confidence in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems made of aluminium or copper alloys.
- Provides corrosion protection for all engine cooling system metals, including aluminium and ferrous alloys at all stages of their life-cycle.
- High temperature stability combined with flux passivation properties makes this coolant an excellent and future proof choice for today’s and tomorrow’s engine cooling system.
- TORQ COOLANT ULTRA LPC is particularly recommended for use for Asian OEM’s, in line with their basic chemistry requirements.

How to Use

- TORQ COOLANT ULTRA LPC – CONCENTRATE should be agitated and diluted before use.
- For maximum protection against freezing in extremely cold areas, a 60 percent solution of TORQ COOLANT ULTRA XLC – Concentrate (3 parts antifreeze/ 2 parts water) can be used. Concentrations greater than 67% are not recommended.
- TORQ COOLANT ULTRA LPC – RTU -40 should be used as purchased. No dilution is recommended.
- It is recommended to change the coolant every five years or when above mileages or operating times are reached, whichever comes first.

Benefits

TORQ COOLANT ULTRA LPC offers many customer benefits through:

- Long life coolant – by a synergistic combination of virtually non-depleting organic corrosion inhibitors
- Excellent hard water stability – a unique matrix of hard water stabilisers & sequestrants
- Premium cavitation protection – thanks to synergy of P-OAT inhibitor technology
- Excellent compatibility with CAB brazed material – unique inhibitor package neutralising the negative effects from flux residues
- Reduces repairs – to thermostats, radiator and water pump
- Improved hard water stability – through the absence of silicates and phosphates.
- Environmentally friendly – long-life OAT technology
- Time & cost savings – maintenance free coolant
- Reliability – depletion-free and stable inhibitors
- Superior heat transfer – absence of silicates
- Suitable for mixed fleets – fit for automotive and heavy duty application

Compatibility and Mixability

- TORQ COOLANT ULTRA LPC is compatible with most other coolants based on ethylene glycol. Exclusive use of TORQ COOLANT ULTRA LPC is however recommended for optimum corrosion protection and sludge control.
- As for any coolant, we recommend the use of deionised or distilled water to prepare the ready-to-use dilutions for optimal performance and controlled quality. Contact your Sales Manager for more information on water quality recommendations.

International Standards & Specifications

- ASTM D3306 and D6210
- JIS K 2234 (Japanese Standard)
- KS M 2142 (Korean Standard)

Performance Level

- Nissan 41-01-001/--T

It is recommended that this product is not to be diluted with other coolant formulations by more than 25% in order to maintain performance claims.



PRODUCT CHARACTERISTICS

PROPERTIES	ULTRA LPC CONCENTRATE	ASTM D3306 REQUIREMENTS	TEST METHOD
ETHYLENE GLYCOL	92% w/w glycol	Base	
OTHER GLYCOLS	1% max	5% w/w ,ax	
INHIBITOR CONTENT	4% w/w		
WATER CONTENT	3.7% w/w max	5% w/w max	ASTM D1123
NITRITE, AMINE, PHOSPHATE, BORATE, SILICATE	Nil		
SPECIFIC GRAVITY AT 15°C	1.124 typical	1.110 to 1.145	ASTM D5931
EQUILIBRIUM BOILING POINT	178°C typical	>163°C	ASTM D1120
RESERVE ALKALINITY (pH 5.5)	8.9 typical	Report	ASTM D1121
pH AT 20°C	8.3 typical		ASTM D1287
REFRACTIVE INDEX AT 20°C	1.437 typical		ASTM D1218
APPEARANCE	(Dark) Blue		

DILUTIONS

PROPERTIES	ULTRA LPC RTU- 37 (50% Dilution)	30% Dilution	TEST METHOD
EQUILIBRIUM BOILING POINT	113°C typical	108°C typical	ASTM D1120
FREEZING PROTECTION	-37°C typical	-15°typical	
APPEARANCE	Blue		