

COOLANT – MP

Description

TORQ COOLANT MP is a cost-efficient coolant concentrate providing frost and corrosion protection. For the perfect operation of water-cooled internal combustion engines, the engine and cooling system have to be adequately protected from corrosion and frost damage. Therefore a coolant is added to the cooling system. Exempt from potentially harmful additives such as nitrites, amines and phosphates, TORQ COOLANT MP also contributes to a safer environment.

How to Use

- TORQ COOLANT MP CONCENTRATE should be agitated and diluted before use.
- It is recommended to use at least 33 vol% of TORQ COOLANT MP in the coolant solution to secure corrosion protection properties. This provides frost protection to -17°C. Concentrations higher than 70 vol.% are not recommended; as the maximum frost protection (about -69°C) is reached at that level.
- TORQ COOLANT MP RTU-40 should be used as purchased. No dilution is recommended.

Benefits

TORQ COOLANT MP offers the following benefits to the user:

- Corrosion protection, also for non-ferrous metals
- Frost protection
- Boiling protection
- Miscibility
- Seal compatibility
- Hard water stability
- Favourable cost
- Anti-foam properties
- Non acidic
- Reduce scale formation

Compatibility and Mixability

- For optimal performance and controlled quality, we recommend the use of deionized or distilled water to prepare the ready-to-use dilutions from concentrate, although lab testing has shown that acceptable corrosion results are still obtained with water of 20°dH, containing up to 500 ppm chlorides or 500 ppm sulphates. Contact your Sales Manager for more information on water quality recommendations.

International Standards & Specifications

- ASTM D3306
- British Standards BS 6580
- French Standards NFR 15-601
- Japanese Standards JIS K2234
- SAE J1034
- UNE 26-361-88/1



PRODUCT CHARACTERISTICS

PROPERTIES	MP CONCENTRATE	Afnor R-15-601 requirements	Afnor R-15-601 requirements	TEST METHOD
ETHYLENE GLYCOL	94.4% w/w glycol	Base	Base	
WATER CONTENT	5% w/w max	5% w/w max	5% w/w max	ASTM D1123
ASH CONTENT	5% w/w			
NITRITE, AMINE, PHOSPHATE	Nil			
DENSITY AT 20°C	1.116 typical	1.110 to 1.145	1.110 to 1.145	ASTM D5931
EQUILIBRIUM BOILING POINT	180°C typical	>163°C	>163°C	ASTM D1120
RESERVE ALKALINITY (pH 5.5)	6.2 typical	Report	Report	ASTM D1121
pH AT 20°C	8.6 typical			ASTM D1287
REFRACTIVE INDEX AT 20°C	1.430 typical			ASTM D1218
APPEARANCE	(DARK) GREEN			

DILUTIONS

PROPERTIES	MP ANTIFREEZE RTU-40 (50% Dilution)	33% Dilution	TEST METHOD
FREEZING POINT, INITIAL CRYSTALLIZATION	-35°C typical	-17°C typical	ASTM D1177
APPEARANCE	RED		