



MOTUL AUTO COOL EXPERT ULTRA

Concentrated antifreeze - To be diluted
Anti-corrosion & antifreeze
Technology Hybrid Tech
Nitrite free / Amine free / Borate free

TYPE OF USE

MOTUL AUTO COOL EXPERT ULTRA is a concentrated long life antifreeze that should be mixed with soft water for immediate use as a coolant liquid, based on monoethyleneglycol hybrid organic / non organic mix additive technology, named Hybrid Tech. This product can be mixed with all monoethyleneglycol based coolants.

Recommended for all cooling systems: passenger cars, heavy duty, construction and agriculture vehicles, gardening, ships, stationary engines ...

Particularly recommended for the cooling circuits of VAG group vehicles (VOLKSWAGEN, AUDI, SKODA and SEAT) when a coolant meeting the VW G12 EVO standard (VW TL 774 L) is required.

PERFORMANCES

STANDARDS AND MANUFACTURER SPECIFICATIONS: Refer to chart.

Contains a bitterness agent to prevent from drinking: coolants and antifreezes have a sweet taste but are harmful.

Protects the cooling system from freezing and metallic parts from corrosion.

The Hybrid Tech technology promotes heat transfer for better cooling and therefore better engine operation. Based on the Si-P-OAT synergy of Silicates, Phosphates and organic acids, it guarantees effective anti-corrosion protection over time and stable properties that remain while aging.

Seals, hoses, pipes and plastic parts friendly.

This Hybrid technology meets the VW G12 EVO specification (VW TL 774 L) and is compatible and miscible with coolants meeting all previous VW specifications: G11 (VW TL 774 C), G12 (VW TL 774 D), G12+ (VW TL 774 F), G12++ (VW TL 774 G) and G13 (VW TL 774 J).

RECOMMENDATIONS

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

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PROTECTION**AUTO COOL EXPERT****ULTRA**

T °C / T °F	T °C / T °F*	%
-22°C / -8°F	132°C / 269°F	33%
-30°C / -22°F	134°C / 273°F	40%
-41°C / -42°F	136°C / 277°F	50%
-54°C / -65°F	139°C / 282°F	60%

* +1,5 bar

Do not use pure product.

Mix with soft water according to the required freezing protection: refer to chart.

To maintain anti-corrosion properties, do not dilute below 33%.

Water for dilution: If possible, use soft water: Maximum hardness 35°F and chlorides and sulfates maximum contain 50 ppm.

Drain intervals: Refer to the manufacturers' recommendation.

Attention, control or drain the coolant only when the engine is cold.

This product should not be used to protect drinking water systems against freezing.

Dangerous. Respect the use and handling recommendations.

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PROPERTIES

Color	Visual	Dark blue green
Density at 20°C (68°F)	ASTM D1121	1.120
Sulfated Ash	ASTM D1119	% weight 4.50
Boiling point	ASTM D1120	>163 °C / >325 °F

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STANDARDS	
ASTM STANDARD	D3306
BRITISH STANDARD	BS 6580
China Standards	GB 29743
FRENCH STANDARD	NFR 15-601
JAPANESE STANDARD	JIS K2234
ÖNORM Standards	V5123
OEM PERFORMANCES	
AUDI	G13 (VW TL 774 J), TL-774 C = G 11, TL-774 D = G 12, TL-774 F = G 12+, TL-774 G = G 12++, TL-774 L = G 12 EVO
BMW	LC-18, LC-87, LC-97
CASE IH	JIC-501
CHRYSLER	MS 7170
CUMMINS	85T8-2
DEUTZ	DQC CA-14, 0199-99-2091 / 12
FIAT	9.55523
FORD	ESD-M97B49-A, MU7J 19544 CA
IVECO	18-1830
MAN	324 type Si-OAT, 324 typ NF
MERCEDES-BENZ	MB 325.5
MTU	MTL 5048
MWM	0199-99-2091 / 12
OPEL	GME L1301
ROLLS-ROYCE	MTL 5048
SEAT	G13 (VW TL 774 J), TL-774 C = G 11, TL-774 D = G 12, TL-774 F = G 12+, TL-774 G = G 12++, TL-774 L = G 12 EVO
SKODA	G13 (VW TL 774 J), TL-774 C = G 11, TL-774 D = G 12, TL-774 F = G 12+, TL-774 G = G 12++, TL-774 L = G 12 EVO
TOYOTA	1WW/2WW Engines
VAUXHALL	GME L1301
VOLVO	128 6083 / 002
VW	G13 (VW TL 774 J), TL-774 C = G 11, TL-774 D = G 12, TL-774 F = G 12+, TL-774 G = G 12++, TL-774 L = G 12 EVO

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