

**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 ...

**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.

**RECOMMENDATIONS**

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 D4052	1.120
Sulfated Ash	ASTM D1119	4.50 % weight
Boiling point	ASTM D1120	163.0 °C / 325.0 °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
OE PERFORMANCES	
AUDI	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
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	TL-774 L = G 12 EVO
SKODA	TL-774 L = G 12 EVO
TOYOTA	1WW/2WW Engines
VAUXHALL	GME L1301
VOLVO	128 6083 / 002
VW	TL-774 L = G 12 EVO