



AUTO COOL EXPERT ULTRA

Concentrated antifreeze

**Anti-corrosion & antifreeze
Technology Hybrid Tech**

Nitrite free / Amine free / Phosphate 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.

Provides an excellent thermal exchange and therefore improves engine cooling efficiency.

Both silicates and organic acids provide anti-corrosion 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.

PROPERTIES

Nitrite free, Amine free, Phosphate free.

Color	Visual	Dark Blue Green
Density at 20°C / 68°F	ASTM D4052	1.125
Boiling Temperature	ASTM D1120	174°C / 345°F
Alkalinity Reserve	ASTM D1121	16 mg KOH/g
Sulfated ash	ASTM D1119	1.3% weight

MOTUL

AUTO COOL EXPERT ULTRA

OEM Group	OEM	Specification
BMW	BMW	GS 9400
Cummins	Cummins	85T8-2
Daimler	Chrysler	MS-7170
Daimler	Mercedes-Benz	MB 326.0
Daimler	Mercedes-Benz	MB 326.2
Fiat	Fiat	Fiat 9.55523
Fiat	Iveco	Iveco standard 18-1830
Ford	Ford	ESD-M97B49-A
Ford	Volvo Cars	128 6083 / 002
General Motors	Opel - GM	QL 130100
General Motors	Saab	6901 599
JI Case	JI Case	JIC-501
Lada	Lada/Avtovaz	TTM VAZ 1.97.717-97
MAN	MAN	324 typ NF
MTU	MTU	MTL 5048
Porsche	Porsche	TL-774 C = G 11
Volvo AB	Volvo Construction	128 6083 / 002
Volvo AB	Volvo Trucks	128 6083 / 002
VW (VAG)	Volkswagen	TL-774 C = G 11
VW (VAG)	Audi	TL-774 C = G 11
VW (VAG)	Seat	TL-774 C = G 11
VW (VAG)	Skoda	TL-774 C = G 11
ASTM Standards		ASTM D3306 / D4656
British Standards		BS 6580
French Standards		NFR 15-601
FVV Standards	Germany	FVV Heft R443
Japanese Standards		JASO M325
Japanese Standards		JIS K2234
Korean Standards		KSM 2142
MIL Standards	MIL-Belgium	BT-PS-606 A
MIL Standards	MIL-France	DCSEA 615/C
MIL Standards	MIL-Italy	E/L-1415b
MIL Standards	MIL-Norway	FS 6850-0951
MIL Standards	MIL-Sweden	FSD 8704
NATO Standards		NATO S-759
SAE Standards		SAE J1034
Swiss Fed. Lab		Empa

RECOMMENDATIONS

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

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.

MOTUL - 119 Bd Félix Faure - 93303 Aubervilliers Cedex - BP 94 - FRANCE. Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - Web Site: www.motul.com

11/19