



# INUGEL EXPERT



**Ready to use cooling liquid**

**Anti-corrosion and anti-freeze  
Protection -37°C / -35°F**

**Nitrite free / Amine free / Phosphate free**

## TYPE OF USE

MOTUL INUGEL EXPERT is a ready to use cooling liquid, based on monoethyleneglycol, using an organic / non organic mix technology, named hybrid additives. 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

Ready to use, do not add any water.

Drain intervals: Refer to the manufacturers' recommendation.

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

## PROPERTIES

Nitrite free, amine free, phosphate free.

Color	Visual	Dark Blue Green
Density at 20°C / 68°F	ASTM D4052	1.076
pH	ASTM D1287	8.2
Initial crystallization	ASTM D1177	-36.4°C / -33.5°F
Freezing protection		-37°C / -34.6°F
Boiling temperature	ASTM D1120	135°C / 275°F (+1.5 bar)
Alkalinity reserve	ASTM D1121	8.0 mg KOH/g

# MOTUL INUGEL EXPERT

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

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. Made in FRANCE

MOTUL - 119 Bd Félix Faure - 93303 AUBERVILLIERS CEDEX - BP 94 - Tel : 33 1 48 11 70 00 - Fax : 33 1 48 33 28 79 - Web Site: www.motul.fr