



AUTO COOL OPTIMAL ULTRA

Concentrated antifreeze

Anticorrosion & antifreeze

OAT Technology

Nitrite free / Amine free / Phosphate free / Borate free / Silicate free

TYPE OF USE

MOTUL AUTO COOL OPTIMAL ULTRA is a concentrated antifreeze that should be mixed with soft water for immediate use as a cooling liquid, based on monoethyleneglycol, using organic additives (OAT – Organic Acid Technology).

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

PERFORMANCE

PERFORMANCES: Refer to chart.

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

Optimal protection of cooling systems against freezing and metallic parts against corrosion.

OAT technology provides an excellent thermal exchange and therefore improves engine cooling efficiency and prevents from boiling.

This organic technology provides anti-corrosion properties that remain at high temperature and aging. Low corrosion inhibitors consumption allows extended drain intervals. Water pumps protection, avoid cavitation.

Seals, rubber pipes, hoses 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 500 ppm.

Drain intervals: Refer to the manufacturers' recommendation.

Do not mix with non-organic products.

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

PROPERTIES

Nitrite free, amine free, phosphate free, borate free, silicate free.

Color	Visual	Orange fluo
Density at 20°C / 68°F	ASTM D5931	1.113
Reserve Alkalinity	ASTM D1121	5 mL

MOTUL AUTO COOL OPTIMAL ULTRA

OEM PERFORMANCES

OEM Group	OEM Brand	OEM Specification
BAIC Group	Foton	Q-FPT 2313005-2013
Caterpillar	MWM	0199-99-2091/12
CNH Industrial	Case New Holland	MAT 3724
Cummins	Cummins	CES 14603, CES 14439
Daimler	Mercedes-Benz	MB 325.3
Daimler Trucks & Buses	Detroit	DFS93K227
Daimler Trucks & Buses	Mercedes-Benz Trucks	DTFR 29C110
Daimler Trucks & Buses	Setra	DTFR 29C110
Deutz	Deutz	DQC CB-14
Ford	Ford	WSS-M97B44-D
General Motors	Chevrolet	GMW 18270
General Motors	Saab	B 040 1065
Innio	Jenbacher	TA 1000-0200
Iveco Group	Iveco Bus/ Truck	18-1830
John Deere	John Deere	JDM H5
Komatsu	Komatsu	07.892 (2017)
Liebherr	Liebherr	MD1-36-130
Mazda	Mazda	MEZ MN 121 D
Paccar	DAF	74002
Paccar	Leyland Trucks	DW03245403
Rolls Royce	Bergen Engines	2.13.01
Rolls Royce	MTU	MTL 5048
Stellantis	Fiat	Fiat 9,55523
Stellantis	Lancia	Fiat 9,55523
Stellantis	Opel	GMW 3420
Stellantis	Vauxhall	GMW 3420
Tata Motors	Jaguar	CMR 8229
Tata Motors	Land Rover	STJLR 651.5003
Volvo AB	Mack	014 GS 17009
Volvo AB	Renault Trucks	41-01-001/--S
VW	Audi	TL-774 F = G 12+, TL-774 D = G 12
VW	MAN	324 Typ SNF
VW	MAN B&W	D36 5600
VW	Seat	TL-774 F = G 12+, TL-774 D = G 12
VW	Skoda	TL-774 D = G 12, TL-774 F = G 12+
VW	Skoda	61-0-0257
VW	Volkswagen	TL-774 D = G 12, TL-774 F = G 12+

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

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Wärtsilä	SACM Diesel	DLP799861
Wärtsilä	Wärtsilä	32-9011

STANDARDS

ASTM Standards	ASTM D3306 / D6210
British Standards	BS 6580
China Standards	GB 27943.1-2022
Japanese Standards	JIS K2234
Korean Standards	KSM 2142
UNE Standards	uNE 26-361-88/1

RECOMMENDATIONS

PROTECTION		AUTO COOL OPTIMAL 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

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