

ANTICONGELANTE 50% G12+ COOLANT/ANTIFREEZE

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DESCRIPTION:

Antifreeze-coolant for direct use (no need to dilute) in closed circuits in any kind of vehicles and engines which require a top-quality and long-lasting coolant in service, with a **G12+** specification level.

PROPERTIES & ADVANTAGES:

100% organic additives (OAT), silicate-free.

Its formulation, in accordance with the latest technology, ensures a product which provides the coolant-antifreeze fluid with all the necessary properties and characteristics for an optimum performance:

- Antifreeze, with protection up to -37 °C.
- Boiling protection up to +145 °C (+293 °F) in circuit at 2 atm. pressure, protecting the engine in overheating situations.
- Anticorrosive. Its latest-generation 100% organic additives effectively protect new aluminum radiators and aluminum / magnesium alloys as well as cast iron, copper and alloy welds.
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- NAP-free corrosion inhibitors: free of nitrites, amines and phosphates, in addition to other components harmful to the ecosystem such as: boron and molybdate compounds.
- Complete degradation in 20 days, calculation conducted on the main component.
- Long life service product:
 - ✓ Up to 650,000 km or 5 years in heavy goods vehicles and buses.
 - ✓ Up to 8,000 hours or 5 years in construction and agricultural equipment.
 - ✓ Up to 250,000 km or 5 years in passenger vehicles.
 - ✓ Up to 32,000 hours or 5 years in stationary engines.

TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Color	Visual	Purplish Pink
Glycol content (%)	UNE 26-361 / 2	50
Density (kg/L)	ASTM D-1122	1.07
Crystallization point (°C) (°F)	ASTM D-3321	≤ -35 (-31)
Boiling point at 1 atm (°C) (°F) typical	ASTM D-1120	108 ± 2 (226,5)
Boiling point at 2 atm (°C) (°F) typical	ASTM D-1120	145 ± 2 (293)
pH	ASTM D-1287	8.0 - 9.0

Note: These data represent average values after different tests. Due to the wide variety of operating conditions, they do not constitute a basis for specifications.

HOW TO USE:

Antincongelaente 50% G12+ is to be used directly.

We recommend removing the residue of previous liquids prior to use, in order to prevent interference and to ensure the full performance of the product.

We recommend complete the levels directly with antifreeze ANTINCONGELANTE 50% G12+, never directly with water or any other antifreeze of other nature or concentration.

Antincongelaente 50% G12+ is an organic antifreeze (OAT-SNF) that is fully compatible with the new generation organic hybrid coolants (HOAT-SiOat) based on organic acid + long-life stable silicates, especially in cooling systems that have previously used a HOAT-SiOat coolant.

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SPECIFICATIONS / QUALITY LEVEL:

ANTINCONGELANTE 50% G12+ meets among others the requirements of International Standards:

ASTM D-3306 (ASTM-D-1384, D-4340, D-2570, D-2809) ASTM D-4985 CHR-MS-12106 (ASTM-D-2809 mod, D-6208) UNE 26361-88(E) AFNOR R 15/601(F) * SAE J1034* NATO S-759	BS 6580 (GB) CUNA NC 956-16 (I) EMPA (CH) FVV Heft R 443 (D) KSM 2142(K) JIS K2234 (J)*
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*except alkalinity reserve

ANTINCONGELANTE 50% G12+ satisfies among others the specifications of the following heavy machinery, transport and tractors' manufacturers:

AKERMAN AUSA BENATI BOBCAT BOMAG CASE NEW-HOLLAND-POCLAIN CATERPILLAR (*) CLAAS CLARK MICHIGAN CUMMINS 85T8-2 1 / 90T8-4 DAF: 74002 DOOSAN-DAEWOO DEUTZ/MWN: 0199-99-2091 2 FIAT-HITACHI FURUKAWA	GM US: 6277M GM 1899M 1 HYUNDAI ISUZU IVECO: 18-1830-AA2 JCB JENBACHER JOHN DEERE JDM: H24 C2/ JDM:H5 KOBELCO KOMATSU 07.892 (2001) LEYLAND TRUCKS LTS 22 AF10 LIEBHERR MACK: 014GS17004 MAN 248 y 324 Type SNF MAN B&W D36 5000	MANITOU MASSEY-FERGUSON MB: 326.3/325.3 (**) MTU MTL 5048 RAYGO WAGNER RENAULT TRUCKS: 41-01-001 Type D SAMSUNG SCANIA TB 1451 TEREX TIGER VOLVO: Reg: 260 y VCS (amarillo) WÄRTSILÄ 32-9011 WAUKESHA YANMAR
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(*) Caterpillar recommends substitute the fluid every 2 years of service, which guarantee a high level of protection and anticorrosion.

(**) 325.3 corresponds to the concentrated to dilute at 50%; 326.3 corresponds to the prediluted product at 50% for direct use.

ANTINCONGELANTE 50% G12+ ensures maximum protection in the following car engines:

ALFA BENTLEY BMW/MINI COOPER BUGATTI CHEVROLET CHRYSLER/JEEP: MS12106 DACIA DAEWO FIAT: 9.55523 FORD: WSS-M97B44D	HONDA: HES D2009-75 HYUNDAI / KIA INFINITI JAGUAR: VIN 878389 LAND ROVER /MG ROVER LAMBORGHINI LEXUS MAZDA / MITSUBISHI / NISSAN MERCEDES BENZ:326.3/325.3	OPEL/GM: QL130100 PORSCHE PSA (PEUGEOT / CITROËN): B715110 RENAULT: 41.01.001 -D SAAB SUZUKI /TOYOTA/SUBARU: UAZ-VAZ VOLVO: Reg No. 260 and VCS (yellow)
VAG Group (Audi, Seat, Volkswagen, Skoda) where it is needed to deploy G12+ technology with organic additives (OAT), specification: VW (VAG) TL-774F (G12+) . Compatible with G12.		

PACKAGING:

5 L bottle, 200 L drum and 1,000 L IBC container.