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## **ANTICONGELANTE CONCENTRADO MINERAL** **CONCENTRATED MINERAL ANTIFREEZE**

Pg. 1 of 2

### **DESCRIPTION:**

Concentrated antifreeze fluid-Coolant, prepared for use when diluted in demineralized water in a maximum recommended concentration of 60% of product and a minimum of 20%.

Glycol-based formulation and a selected package of inorganic additives: oxidation and corrosion inhibitors, and descaling and defoaming, highlighting its specific formula of super-stabilized silicates. NAP free type (free of phosphates, amines and nitrites), but also free of borates and molybdates. It provides effective protection of the cooling circuit in all kinds internal combustion engines.

### **PROPERTIES & ADVANTAGES:**

- ✓ Excellent engine protection from the corrosion of cast, steel and its alloys, as well as aluminum, its alloys and other soft metals.
- ✓ NAP free inorganic technology (free of phosphates). Any problems with deposits deriving from the use of phosphates are avoided.
- ✓ Antifreeze protection of the coolant liquid down to -40 °C (-40 °F) in dilutions at 60% of the concentrate, avoiding any damage to the engine in cold climates.
- ✓ Antiboiling protection up to +145 °C (+293 °F) for dilutions at 60% in closed, pressurized circuits, protecting the engine in overheating situations.
- ✓ Excellent heat transfer capacity.
- ✓ Good antifoam properties.
- ✓ Its high boiling point avoids fluid cavitation and hence the erosion of the circuit owing to the implosion of fluid bubbles against the interior walls of the circuit. The risk of the pitting of the cylinder sleeves and pumps is avoided which could give rise to serious damage to the engine.
- ✓ Avoids the formation of lime deposits.
- ✓ In heating installations, lengthens the life of the boiler, radiators, pumps and the other elements to be found at the installation.
- ✓ Compatible with joints and elastomers usually used in cooling circuits.

### **APPLICATIONS:**

- ✓ Refrigeration fluid in closed cooling systems of internal combustion engines in cars, trucks, buses, farm machinery, construction and earthworks machinery or in any other vehicle whose cooling system requires a water-glycol based mixture, specially indicated for cast engines.
- ✓ Household and industrial heating installations that work in a closed circuit.
- ✓ Not suitable for cooling systems in aviation.

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Pg. 2 of 2

### TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Glycol content (%)	UNE 26-361 / 2	> 85
Density (kg/L)	ASTM D-1122	1.11
Boiling point at 2 atm (°C) (°F)	ASTM D-1120	> 150 (302)
pH	ASTM D-1287	8.0 - 9.5

### HOW TO USE:

Do not use the concentrated product directly, dilute with the amount of water required to obtain the desired freezing point. It is recommended to use demineralized water to obtain a greater yield and avoid the formation of lime deposits or of any other nature on the radiator.

Check the freezing and boiling points required by the engine or machinery manufacturer:

Freezing protection according to the diluted %				
Product content (%) in the mixture	35%	40%	50%	60%
Protection temperature (°C)	-18	-25	-35	-42

### SPECIFICATIONS / QUALITY LEVEL:

Anticongelante Concentrado Mineral OLIPES meets, among others, the requirement of the International Standards:

ASTM D-3306 (ASTM-D-1384, 4340, 2570,2809) ASTM D-4985 BS 6580 (GB) CUNA NC 956-16 (I) EMPA (CH) E/L 1415C (MIL Italy)	JIS K2234 NATO S-759 SAE J1034 UNE 26361-88(E) FW Heft R 443 (D) Afnor R 15601 (F) except pH KSM 2142 (K)
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Anticongelante Concentrado Mineral OLIPES meets, diluted 50% in demineralized water, among others, the requirements of OEM Standards:

GM US 6277 M VOLVO (Reg. No. 260/Volvo coolant (green)	MERCEDES DBL 7700 (325.0) MAN 324 type NF
VAG Group (Porsche, Audi, Seat, Volkswagen, Skoda) where G11 technology is needed, with the specification: <b>VW (VAG) TL-774C (G11)</b>	

### PACKAGING:

20 L jerrycan, 200 L drum and 1,000 L IBC container.