



# SPECIAL RADIATOR



## DESCRIPTION

RADIATOR is a concentrated monoethylene glycol-based, inorganic technology coolant (antifreeze), containing no amines, nitrites or phosphates. It is suitable for both petrol and diesel engines. It provides protection against cold weather and summer heat, depending on its dilution in de-ionized water. It contains a well-balanced corrosion inhibitor and anti-foaming additives that provide effective protection to metallic surfaces of radiators made of different alloys, particularly to aluminum ones that are found in modern engines. It meets all European and most International standards. It mixes readily with water and is compatible with cooling system filters and supplemental additives.

## APPLICATIONS

It is suitable for car radiators and other closed water circuits operating under extreme temperature conditions. When RADIATOR is diluted with water to a concentration of 50% by volume, the optimal protection against freezing, boiling and corrosion are achieved. Concentrations less than 25% or greater than 70% are not recommended. Radiator should be used according to OEMs' recommendations.

**Not to be used in drinking water systems.**

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	APPLICATION TABLE															
Protection against frost depending on its concentration.	<table border="1"> <thead> <tr> <th>Antifreeze, % vol.</th> <th>Protection down to...</th> <th>Boiling Point, °C</th> </tr> </thead> <tbody> <tr> <td>33%</td> <td>-16</td> <td>104</td> </tr> <tr> <td>40%</td> <td>-23</td> <td>106</td> </tr> <tr> <td>50%</td> <td>-37</td> <td>108</td> </tr> <tr> <td>60%</td> <td>-50</td> <td>110</td> </tr> </tbody> </table>	Antifreeze, % vol.	Protection down to...	Boiling Point, °C	33%	-16	104	40%	-23	106	50%	-37	108	60%	-50	110
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Superior protection against rust and oxidation for aluminum, solder brass, copper, steel and cast iron.																
Excellent heat transfer properties; effective engine cooling without boiling.																
Compatible with plastics and rubber materials used in in the cooling system.																

## PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON RADIATOR	METHOD	
Density at 20°C, g/cm <sup>3</sup>	ASTM D1298	1,135
pH (33% v/v. solution)	ASTM D1287	8.2
Boiling point, °C	ASTM D1120	174
Color	-	Blue

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

AFNOR NF R15-601; SAE J1034; ASTM D3306, D4656, D4985; BS 6580:2010; AS 2108; CUNA NC 956-16; ONORM V 5123; UNE 26361-88; FFV Heft R443; NATO S-759  
Level: VW Group TL-774C (G11); MB 325.0, MB/DBL 7700.20; MAN 324 NF