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TECHNICAL DATA SHEET

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GLIXOL EXTRA PLUS CONCENTRATE

Glixol Extra Plus Concentrate is the engine coolant concentrate, based on ethylene glycol, corrosion inhibitors and other additives. Glixol Extra Plus Concentrate meets the requirements of PN-C-40007, ASTM D 3306, BS 6580. Glixol Extra Plus Concentrate got approval MAN Type 324 NF, approval MB 325.0, Certificate of Conformity and Conformity Mark B from Motor Transport Institute in Poland.

PHYSICO-CHEMICAL PARAMETERS:

Parameter	Requirements	Test Method
a) Appearance	liquid without sediments	visually
b) Colour	dark-blue-green	visually
c) Water content, % mass, no more than	3,5	ASTM D1123 / PN-C-40008/10
d) Density at 20°C, g/ml	1,117 ÷ 1,131	ASTM D1122 /PN-92/C-04504
e) Freezing Point, 50 % (v/v) dilution in water, °C, no more than	- 35	ASTM D1177 / PN-93/C-40008/10
f) Boiling point, °C, no less than	160	ASTM D1120 / PN-92/C-40008/03
g) pH 50 % (v/v) dilution in water, [1]	7,5 ÷ 9,0	ASTM D1287 / PN-92/C-40008/04
h) Alkalinity reserve, ml 0,1n HCl /10ml, min.	8,0	ASTM D1121 / PN-92/C-40008/05
i) Ash content, % mass, max	5,0	ASTM D1119 / PN-92/C-40008/02
j) Loss of weight plates after 336 h test in a glass dish, mg/plate, no more than: - copper - solder - brass - steel - cast iron - aluminum	10 30 10 10 10 30	ASTM D1384 /PN-93/C-40008/07
k) Corrosion of cast aluminum alloys in terms of heat transfer mg/cm ² / 168 h, no more than	1,0	ASTM D4340 /PN-93/C-40008/08
l) Stability	lack of sediment and allow light opalescence	PN-92/C-40008/13

Useful properties:

- ✓ High-quality coolant and preservative fluid concentrate intended for the preparation of radiator fluids with operating concentrations by appropriate dilution with water
- ✓ Works in three ways: protects against corrosion, overheating and freezing
- ✓ It is designed for cooling systems of all types of cars with liquid cooling, regardless of the season
- ✓ Also recommended for aluminum car radiators
- ✓ Free of nitrites, nitrates, phosphates, amines
- ✓ Meets the requirements of the following standards: PN-C-40007, ASTM D 3306, BS 6580, VW TL - 774C (G11), Renault 41-01-001
- ✓ It has the ITS certificate, B conformity mark
- ✓ It has approval MAN 324 NF
- ✓ It has approval MB 325.0
- ✓ Miscible with water in any ratio:
 - 50 vol.% of liquid + 50% vol. water - crystallization temperature: -35 ° C
 - 40 vol.% of liquid + 60% vol. water - crystallization temperature: -25 ° C
 - 30 vol.% of liquid + 70% vol. water - crystallization temperature: -17 ° C
- ✓ Miscible with other ethylene glycol based antifreeze liquids for combustion engines

Storage:

Product should be stored in originally closed containers at temperatures of maximum 40°C, in well-ventilated store.

Usable life:

5 years from the date of production.