

TECHNICAL INFORMATION



PERSIAN ECOFLU WHITE PROTECTIVE LIQUID FOR COOLING CIRCUITS

DESCRIPTION

WHITE PERSIAN ECOFLU is an antifreeze type based permanent Monopropylene glycol and is distinguished by the absence of amine inhibitor, nitrates, and phosphates. The protective properties are effective for metals that make up the various parts of the cooling circuit, particularly aluminum.

TYPICAL CHARACTERISTICS

	LIMITS	METHODS	SPECIFIC
	ASTM D5210	ASTM	ECOFLU
Specific weight at 15/15°C	1.040-1.050	D1122	1045,0
pH (sol. Water 50% in vol.)	7,5- 11,0	D1287	9,7
Contents in water	5% max	D1123	3,5
Reserve Alkalinity	10 min	D1121	19 min
Ashes	5 % max	D1119	1,5 max
Freezing Point (sol. Water)	-32°C	D1117	-32°C
Boiling Point	163 °C		None
Effect on automobile finish	None		None
Oder	Not offensive		Not offensive
Foam (ml/sec)	150/5		50/2
Water Solubility	Complete		Complete
Resistance hard water		NC 956-14	Limpid

The data described are those obtained with normal production tolerance and are not specific.

CORROSIVE CHARACTERISTICS ASTM D 3306

1. Erosion test pump method of analysis ASTM 2809

	LIMITS	SPECIFIC
	ASTM D 3306	ECOFLU
- Protection index	8 min.	9 min.

2. Corrosion test through heat transmission aluminium method ASTM D 4340

	LIMITS	SPECIFIC
Loss of weight mg/cm2/week	1,0 max	0,4 max

3. Freeze protection

Values obtained with various concentrations of Persian Ecoflu White in water are as follows:

25 % vol.: -10 °C 33 % vol.: -15 °C 50 % vol.: -32 °C

4. Test Corrosion glass method ASTM D 1384 (Loss in Weight MG/Sample)

METALS	LIMITS	SPECIFIC
Copper	10 max.	0,8
Alloy Welding	30 max.	1,6
Brass	10 max.	0,7
Steel	10 max.	0,1
Cast Iron	10 max.	0,1
Aluminium	10 max.	0,4

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BEHAVIOUR WITH RUBBER SLEEVES AND PLASTIC PARTS

WHITE PERSIAN ECOFLU by using a base of pure glycol monopropylene and the choice of an inhibitor additive is highly reliable against non-metallic materials used in cooling.

APPLICATIONS

PERSIAN ECOFLU WHITE satisfies the requests from the following:

ASTM D 5216 - S.A.E. J 814 ASTM D 4340 - S.A.E. J 1034 FIAT 55527/1
G.M. U.S. 1899-M G.M.E. - L6 - 368 FORD - WSN - M 97 B 18 - D B.S. 6580
MERCEDES-BENZ AG DBL 7700-00 BMW 600.69.0 CUNA NC 956 - 16

ATTENTION

**Store indoors, avoid mixing with the packaging of mineral oils.
After using, wash with soap and water.
In case of contact with eyes, rinse with fresh water.**
