



Coolelf Eco BS

Ready-to-use coolant • O.A.T.



ANTI-FREEZING



ANTI-BOILING



ANTI-CORROSION



DESCRIPTION

Coolelf Eco BS is an economical OAT ready-to-use, providing frost and corrosion protection.

Coolelf Eco BS is a cooling liquid adapted to cooling systems of combustion engines of in cars and vans, trucks, construction machinery and agricultural tractors, except the EURO 6 engines.

RECOMMENDATION: drain the existing coolant and flush the cooling system with demineralized water before filling with Coolelf Eco BS based coolant.

SPECIFICATIONS

Coolelf Eco BS meets the **industry standards** such as **British Standard BS 6580:1992 and BS 6580:2010** and the **French Standard NF R 15-601**. This makes Coolelf Eco BS a cost-effective solution for multiple engine coolant system applications.

CHARACTERISTICS

Appearance	Visual	Clear liquid
Colour	Visual	Light Blue
Density @ 20°C	ASTM D5931	1.052 kg/L
pH @ 20°C	ASTM D1287	8.5
Reserve Alkalinity	ASTM D1121	1.3 mL HCl 0.1N
Freezing Point	ASTM D1177	-23°C

The typical characteristics mentioned represent mean values.

HSE

All antifreezes and coolants based upon monoethylene glycol are regarded as special industrial wastes and must be disposed of in approved centers for environmental reasons.



TotalEnergies

TotalEnergies Lubrifiants
Immeuble Spazio
562, avenue du Parc de l'île
92029 Nanterre cedex France

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This coolant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.

APPLICATION

PROTECTION ALL YEAR ROUND Coolelf Eco BS ensures maximum protection against freezing, until -23°C.

READY-TO-USE PRODUCT Coolelf Eco BS is ready for use, as a mix with demineralized water.

LIFETIME **Light Vehicles:** up to 250 000 km depending on the manufacturer's recommendations (refer to the vehicle's maintenance manual),

CUSTOMER BENEFITS

PROTECTION AGAINST METAL CORROSION

EXCELLENT PERFORMANCE

Coolelf Eco BS offers the following benefits to the user:

- Corrosion protection, also for non-ferrous metals,
- Frost protection,
- Boiling protection,
- Miscibility,
- Seal compatibility,
- Hard water stability,
- Low cost.

NO DEPOSITS The organic additives prevent deposit formation, keep the surface clean and optimize the heat transfer.

PERFORMANCES

ASTM D1384: Standard Test Method for Corrosion Test for Engine Coolants in Glassware

ASTM D1384 is almost identical to NF R15-602-7

	Weight loss (mg/coupon)					
	Copper	Solder	Brass	Steel	Cast Iron	Aluminium
NF R 15-601 (max)	5	-	5	2.5	4	10
BS 6580:2010 (max)	10	30	10	10	10	15
Glacelf Eco BS	0.5	4.9	0.5	0.7	0.3	3.0

ASTM D4340: Aluminium Heat Transfer Test

	Weight loss (mg/cm ² /week)
NF R 15-601 (max)	1.0
BS 6580:2010 (max)	1.0
Glacelf Eco BS (typ)	0.3

STORAGE GUIDELINES: The product should be stored indoors at ambient temperatures and periods of exposure to temperatures above 35°C should be minimized. It is not advisable to expose the coolant to direct sunlight and humidity. Use of galvanized steel is not recommended for the pipes or the components of the cooling system. This leads to deposit formation and there by affect the heat transfer properties of the coolant. Please refer to the Material Safety data sheet for further safety information.



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