# COOLELF FR CP

**Ready-to-use coolant • Lobrid**

## DESCRIPTION

**COOLELF FR CP** is a ready-to-use coolant based on monoethylene glycol and organic inhibitors of corrosion and together with minerals inhibitors.

**COOLELF FR CP** is a cooling liquid that can be especially recommended in all cooling systems of combustion engines of Citroën & Peugeot.

**COOLELF FR CP** is silicate, nitrite and phosphate free.

## SPECIFICATIONS

**COOLELF FR CP** meets the ***international specifications*** for antifreezes:

- AFNOR NFR 15-601
- ASTM D3306
- ASTM D4656
- ASTM D4985
- ASTM D6210
- BS 6580

**COOLELF FR CP** ***meets the requirements*** of:

- Peugeot-Citroën B715110

## CHARACTERISTICS

| | | |
|---|---|---|
| APPEARANCE | - | CLEAR LIQUID |
| COLOUR | - | BLUE-GREEN |
| DENSITY AT 15 °C | ASTM D1122 | 1.078 |
| RA | ASTM D1121 | 6.2 |
| PH AT 20°C | ASTM D1287 | 8 |
| TEMPERATURE AT WHICH THE FIRST ICE CRYSTALS OCCUR | ASTM D1177 | -37°C |

The typical characteristics mentioned represent mean values

**TOTAL LUBRIFIANTS**
Immeuble Spazio
562, avenue du Parc de l'île
92029 Nanterre cedex
France





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.

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## APPLICATIONS

**PROTECTION ALL YEAR ROUND**

**COOLELF FR CP** ensures maximum protection against freezing, until -37°C.

**READY TO USE PRODUCT**

**COOLELF FR CP** is ready for use, as a mix with demineralised water.

**MULTI-MATERIAL COMPATIBILITY**

**COOLELF FR CP** can be used for cast iron as well as aluminium engines, and also in engine radiators in aluminium or copper alloy.

**COOLELF FR CP** is inert to elastomeric seals and paints.

**LIFETIME**

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

## CUSTOMER BENEFITS

**VERY LONG-TERM PROTECTION AGAINST METALS CORROSION**

**Organic technology** ensures a long-term action to offer maximum protection against any type of corrosion, erosion and cavitation, even at high temperatures.

**MAXIMUM HEAT TRANSFER**

The organic additives in **COOLELF FR CP** give to the coolant:
+ Chemical neutrality (pH 7-8.5),
+ A reserve of alkalinity to neutralise the acids resulting from the combustion gases,
+ Resistance to foaming,
+ Compatibility with hard water (maximum 40°F).

Avoids formation of deposits (no risk of limescale) and leaves surfaces clean.

## HSE

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

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