

# COOLELF MPG SUPRA



Coolant / heat transfer fluid

COOLELF MPG SUPRA is a coolant based on monopropylene glycol and organic corrosion inhibitors for heating and cooling circuits. Its exclusive formula is free of inorganic substances (phosphates, amines, nitrates and silicates) and thus extends the lifetime of the equipment and ensures enhanced protection for the different components.

## APPLICATIONS

For engine cooling  
Heat transfer

- Transfer of heat in installations such as cooling, heating and refrigeration circuits:
  - the pharmaceutical and agro-food industries, installations for combined generation/heating.
- COOLELF MPG SUPRA is compatible when mixed with other antifreezes based on monopropylene glycol or monoethylene glycol. In this case the protection temperature of the mixture can no longer be controlled. Before filling a circuit that has previously contained a different product, the system should be flushed to avoid adverse effects on product properties.

## SPECIFICATIONS

International standards

- **COOLELF MPG SUPRA** complies with the following standards:
  - AFNOR NF R 15-601
  - ASTM D 4356
  - BS 6580

## ADVANTAGES

Enhanced anticorrosion and anticavitation protection  
No deposit formation risks in the cooling circuit

Lower costs

- With its special organic additives, **COOLELF MPG SUPRA** gives far better corrosion protection than conventional coolants.
- The outstanding thermal stability of **COOLELF MPG SUPRA** prevents the formation of hard inorganic deposits, especially on liner tops, cylinder heads, heat exchanger tubes and heating resistors, with the following benefits:
  - heat transfer is sustained,
  - fluid properties are maintained,
  - no pipe erosion by hard particles in circulation,
  - the circuit remains clean.
- The "long life" properties of the fluid means that it is renewed less often, thus reducing costs.



TYPICAL CHARACTERISTICS	METHODS	UNITS	COOLELF MPG SUPRA
Colour			Colourless
Density at 15°C	ASTM D 1122	g/cm <sup>3</sup>	1,035
Alkalinity reserve at point of equivalence (pH 3.5)	GFC PrI-L-111	cm <sup>3</sup> HCl 0.1N	12.4
Boiling point	ASTM D 1120	°C	106
pH	ASTM D 1287		8.8
Lowest service temperature		°C	- 25
Refractive index at 20°C			1,383

The characteristics given in the table are mean values provided for illustrative purposes only.

## UTILISATION

It is essential that systems containing dirt arising from construction (new facilities) or corrosion (installations already in use) should be carefully flushed.

## PROCEDURE

1. Circulate the used fluid for at least one hour to bring any deposits into suspension.
2. Drain the water circuits fully (purging the lowest portions or areas where fluid may be retained).
3. Check the heaters and the expansion tank and clean if deposits are present.
4. Flush with clean water (2 rinses desirable), circulating water throughout the circuit. Drain and check that the filters are not blocked by the deposits.
5. Drain the circuit completely.
6. Fill with **COOLELF MPG SUPRA**.

### TOTAL LUBRIFIANTS INDUSTRIE

07-10-2016 (supersedes 28-01-2008)

COOLELF MPG SUPRA

2/2



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from [www.quick-fds.com](http://www.quick-fds.com).