

# CEPSA HYPER COOLANT

## Description



CEPSA HYPER COOLANT is a concentrated engine coolant additive package based on ethylene glycol free of silicates, designed to produce premium quality engine coolants by the simple addition of ethylene glycol, deionised water, dyes and bitterant in such proportions to achieve the required protection against corrosion and freezing point.

### Applications

- A concentrated coolant can be manufactured by simple blending of the following components at ambient temperature:
  - 25% CEPSA HYPER COOLANT
  - 75% ETHYLENE GLYCOL
  - Soluble dye in ethylene glycol-water media in ppm concentration.
  - Soluble bitterant in ethylene glycol-water media in ppm concentration.
- Based on organic type technology and free of silicates, the final coolant obtained provides a long life corrosion protection through all metal components of the engine, including aluminium, ferrous alloys, copper and welding alloys.
- Recommended usage in all types of cooling systems for internal combustion engines, automotive and industrial.
- Especially recommended for power generation engines working in severe conditions.

### Product performance

- The corrosion inhibitors have a very low depletion rates compared with the traditional coolants which formula is based on inorganic compounds.
- It contains a high efficiency micronised anti-foam additive which guarantees the foam control during the service life of the final formulated coolant.
- The product is exempt from potentially harmful additives such as nitrites, amines and phosphates which contributes to a better protection of the environment.

## Specifications

The coolant concentrate obtained by mixing 25% wt of CEPSA HYPER COOLANT with 75% wt, of MONOETHYLENE GLYCOL meets the following specifications:

- |                                      |                              |                           |
|--------------------------------------|------------------------------|---------------------------|
| • ASTM D3306                         | • UNE 26-361-88/1            | • SAE J1034               |
| • NATO S-759                         | • JASO M325                  | • BS 6580                 |
| • MAN 324 Type SNF                   | • MB-325.3                   | • VW TL-774F = G12+       |
| • Renault Trucks 41-01-001/ S Type D | • Ford WSS-M97B44-D/E        | • Jenbacher TA1000-0201   |
| • GM 6277M (+B040 1065)              | • DAF 74002                  | • John Deere JDMH5        |
| • Mazda MEZ MN 121D                  | • SAAB GM 6277M (+B040 1065) | • Ulstein Bergen 2.13.01  |
| • Deutz 0199-99-1115 (6)             | • Deutz/MWM 0199-99-2091 (8) | • Wärtsilä DLP799861      |
| • MTU MTL 5048                       | • VOLVO AB -Renault Trucks   | • Komatsu 07.892 (2009)   |
| • Jaguar CMR 8229                    | • Jaguar WSS-M97B44-D        | • Land Rover WSS-M97B44-D |

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee.

These values may be modified without any prior warning.

## Typical Characteristics

CHARACTERISTIC	UNIT	METHOD	CEPSA HYPER COOLANT
Colour	-	VISUAL	Pale yellow
Density at 20°C	kg/L	ASTM D 4052	1.110
pH	-	ASTM D 1287	9.05
pH in deionized water (33% V/V)*	-	ASTM D 1287	8.4
Reserve Alkalinity at pH 5.5*	ml HCl 0,1N	ASTM D 1121	6.0
Storage stability	months	-	12

\*25% CEPSA HYPER COOLANT + 75% MONOETHYLENE GLYCOL

## Storage and Handling

The product should be stored preferably at ambient temperature and avoid exposure to temperatures above 35°C.

It is strongly recommended to preserve the product from direct sunlight exposure due to its significant colour change toward yellower hues, speeding up the process if it is coupled with high ambient temperatures. For such purpose, the product should be stored in covered spaces and opaque containers.

CEPSA HYPER COOLANT can be stored in a tank or a closed container maintaining its quality and performance at least for a year.

It is strongly recommended that the facilities used in the coolant blending process and storage are exempt from galvanised steel.

## Health & Safety and Environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.