COOLANT

CEPSA

COOLANT / ANTIFREEZE

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.

PRODUCT APPLICATIONS

- A concentrated coolant can be manufactured by simple blending of the following components at room 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 technology and free of silicates, the finished coolant provides a long life corrosion protection for all metal components of the engine, including aluminium, ferrous alloys, copper and welding alloys
- It is recommended for use in all types of cooling systems for internal combustion engines, automotive and industrial.
- Especially recommended for power generation engines working in severe operating conditions.

PRODUCT PERFORMANCE

- The corrosion inhibitors have a very low depletion rates compared with the traditional coolants whose 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 finished 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.

SPECIFICATION

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

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

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA HYPER COOLANT
Colour	-	VISUAL	Pale yellow
Density at 20ºC	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	month	-	12

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

The typical values of the characteristics appearing in the table are average values given for guidance purposes.
These values may be modified without any prior warning.

COOLANT

STORAGE AND HANDLING

The product should be stored preferably at room temperature and avoid exposure to temperatures above 35ºC.

It is strongly recommended to preserve the product from direct sunlight exposure due to its significant colour change to much more yellow, speeding up the process if it is coupled with high room temperatures. For such purpose, the product should be stored in covered spaces and dark 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 galvanized steel.

HEALTH & ASFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

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