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New coolant additive Coolant P

Coolant P is a coolant additive particularly suited for motor spindle cooling systems.

Advantages

- long-lasting protection, renewal of coolant once a year

- prevents electrochemical corrosion

- protects aluminium, ferrous and non-ferrous metals

- low maintenance

Use

Must not be mixed up with XTREMECOOL or other third party products!

If Coolant P is being used to replace a third-party product or Xtremecool, the cooling system incl. tubes and spindle must be treated with 3% CS-Cleaner for 24 hours of operation before the changeover. Then rinse well with drinking water and clean everything thoroughly.

Coolant P must only be prepared using drinking water that does not exceed the following limits:
- Water hardness max. 20 °dH (3.6[mmol/l)
- Chlorides max. 100[ppm]
- Sulphates max. 100[ppm]

Prepare a mixture of 25% Coolant P. Example for a tank volume of 12 liter:
3 liter Coolant P and 9 liter drinking water.
Warning: Galvanised materials may not be used for cooling system components.

Maintenance

We recommend changing the coolant once a year. Changing procedure:
Add 3% CS-Cleaner to the „old“ coolant. Continue working as normal for 24 hours of operation. Then empty the tank and rinse it well with clean drinking water. Prepare a new mixture of 25% Coolant P.

Disposing of used coolant

Disposal must be made according to official regulationes. Do not pour into the domestic wastewater system

Storage

Store Coolant P in its original packaging at 5° - 35°C. The product can be stored up to 3 years in its sealed packaging.

Technical parameters

Properties	Unit	Test according to	Value
Colour		DIN ISO 2049	yellow
Density at 20°C	g/ml	ASTM D 4052	1.06
pH of mixture		DIN 51785	8.4
Solidification point of concentrate	°C	ASTM D 5950	-50
Solidification point of mixture	°C	ASTM D 5950	-24
Application range	°C		4–80
Working concentration	%		25–30
Factor for handheld refractometers	%Brix^{-1}		*1.34
		*(reading from handheld refractometer 18.6% => actual 25%)	
Water hazard class: WGK1 Disposal code: VeVA/EWC 120109			