



Polarfreeze US 6210

Special antifreeze concentrate Color: pink (violet)

Description:

Polarfreeze US 6210 is a silicate- free, phosphate- free mono ethylene glycol based antifreeze concentrate for use in summer and winter with frost and rust protection properties (all- year- round use).

Polarfreeze US 6210 is used as cooling and heat transfer fluid used in combustion engines, in particular for "Heavy Duty" engines.

Characteristics:

- Effective corrosion protection for all engine metals, including aluminum and iron alloys
- Excellent protection against cavitation
- Aluminum protection
- Uniform and homogeneous protective layer
- No gelation and failures
- No calcium deposits

Usage:

Polarfreeze US 6210 has been developed as a special high-performance engine coolant which is suitable for engines made of cast iron, aluminum or combinations of the two metals as well as for cooling systems made of aluminum or copper alloys.

Polarfreeze US 6210 is suitable for gasoline, diesel and natural gas engines in vehicles or in industrial applications and is specifically recommended for high performance engines, in which a high-temperature protection for aluminum is of great importance.

Polarfreeze US 6210 meets the coolant TMC RP329 and ASTM D6210 for high performance engines.

It is part of a good maintenance practice to test the nitrite concentration regularly (see OEM recommendations). If the nitrite concentration falls below 800 ppm, a replacement of the product is recommended.

Typical concentrations in northern Europe are 50% **Polarfreeze US 6210** and 50% water (recommended: softened water), with a frost protection up to -40 ° C.

Mixtures with more than 70 vol. % of **Polarfreeze US 6210** are not recommended as the maximum achievable frost protection (-69 ° C) is reached at 68 vol. % .

Usable for:

We recommend this product for:	
ASTM	D 6210 Type I-FF
ASTM	D 3306 Type I
ASTM	D 4985
TMC	RP 329
US FEDERAL SPEC.	CID AA 52624-1-A

Miscibility:

- **Polarfreeze US 6210** is miscible with most of the coolants based on ethylene glycol.
For optimum corrosion protection the use pure Antifreeze US 6210 is recommended.
For the preparation of mixtures softened water should be preferred.

Polarfreeze US 6210			Typical characteristics:		
Article No.	Packaging unit				
STL 3100 495	Can	20 L	Specific weight at 20°C	kg/m³	1,120
STL 3100 496	Drum	60 L	Boiling point	°C	170
STL 3100 498	Drum	200 L	ph-value (20°C)		10,5
STL 3100 499	PE-Container	1000 L	Nitrites (NO2)	ppm	2300
			Molybdenum	ppm	370
			Reserve alkalinity		9,5
			Colour		pink (violet)

Data are subject to change.

Attention: Service instructions should be observed!

STL/WINTER/-
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