

Premium antifreeze concentrate

FROSTOX® SF-D12PLUS

Description

FROSTOX® SF-D12PLUS is a premium monoethylene glycol based antifreeze formulated with OAT corrosion inhibitor technology. Salts of organic acids serve as corrosion inhibitors to provide optimal long-life protection. **FROSTOX® SF-D12PLUS** contains no nitrites, amines, phosphates, silicates, or borates.

OEM-approvals

FROSTOX® SF-D12PLUS is approved by the following manufacturers:

- › Audi: VW TL 774 F
- › Saab: 6277M (B 040 106)
- › Lamborghini: VW TL 774 F
- › Bugatti: VW TL 774 F
- › Skoda: VW TL 774 F
- › MAN: 324 SNF
- › Ford: WSS-M 97 B44D
- › Volkswagen: VW TL 774 F
- › Zeppelin: ASTM D4985
- › Jaguar: WSS-M 97 B44D
- › Bentley: VW TL 774 F
- › Seat: VW TL 774 F
- › Porsche: VW TL 774 F
- › Caterpillar: ASTM D4985
- › Vauxhall: 6277M (B 040 106)
- › Opel: 6277M (B 040 106)
- › GM: 6277M (B 040 106)
- › Land Rover ab Modelljahr 1999: WSS-M 97 B44D

Physical and chemical properties

	Value	Method
Density at 20°C [g/cm³]	1.110–1.140	DIN 51757
Refractive index	1.426–1.438	DIN 53423
Boiling point [°C]	>170	ASTM D1120
Flash point [°C]	>110	ASTM D51758
pH value (33% aqueous solution)	7.7–8.5	ASTM D1287
Reserve alkalinity [ml 0.1N HCl/10g]	>5.0	ASTM D1121

Performance characteristics

FROSTOX® SF-D12PLUS easily exceeds all requirements set forth in ASTM D3306 — particularly with respect to ASTM D1384 and ASTM D4340 corrosion testing — and can be mixed even with hard water in any concentration with no precipitate formation. The following water mixture ratios are recommended:

The following coolant-to-water mixture ratios are recommended:

40% (v/v) FROSTOX® SF-D12PLUS	Freeze point –25°C
50% (v/v) FROSTOX® SF-D12PLUS	Freeze point –37°C
60% (v/v) FROSTOX® SF-D12PLUS	Freeze point –52°C

Delivery form

FROSTOX® SF-D12PLUS is dyed reddish purple. The following container sizes are available:



Please inquire for additional container sizes if required.