

### DESCRIPTION

**FROSTOX® SF-D12++öko** is a premium monoethylene glycol based antifreeze formulated with Si-OAT corrosion inhibitor technology. This corrosion inhibitor system combines modern, carboxylic acid based corrosion inhibitor technology with the advantages of silicate antifreezes. The result is optimal long-term stability and protection against corrosion. This product contains glycerol. **FROSTOX® SF-D12++öko** contains no nitrites, amines, phosphates, or borates.

### OEM APPROVALS

**FROSTOX® SF-D12++öko** is approved by the following manufacturers:

Audi: VW TL 774 J

Bugatti: VW TL 774 J

Seat: VW TL 774 J

Volkswagen: VW TL 774 J

Bentley: VW TL 774 J

Lamborghini: VW TL 774 J

Skoda: VW TL 774 J

### PHYSICAL AND CHEMICAL PROPERTIES

	Value	Method
Density at 20°C [g/cm <sup>3</sup> ]	1.110–1.160	DIN 51757
Refractive index	1.425–1.445	DIN 53423
Boiling point [°C]	>170	ASTM D1120
Flash point [°C]	>110	ASTM D51758
pH value (33 % aqueous solution)	7.5–8.5	ASTM D1287
Reserve alkalinity [ml 0.1N HCl/10 g]	>5.5	ASTM D1121





### PERFORMANCE CHARACTERISTICS

**FROSTOX® SF-D12++öko** 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:

40 % (v/v) <b>FROSTOX® SF-D12++öko</b>	Freeze point –25°C
50 % (v/v) <b>FROSTOX® SF-D12++öko</b>	Freeze point –37°C
60 % (v/v) <b>FROSTOX® SF-D12++öko</b>	Freeze point –52°C

### CONTAINER AND DELIVERY SPECIFICATIONS

**FROSTOX® SF-D12++öko** is dyed reddish purple. The following container sizes are available:

	1		1.5 litre			3		5		10		20		30 litre
	60		200 litre			20 to 24 tons								

Please inquire for additional container sizes if required.