

1. Description

A silicate, phosphate, borates and nitrates free premixed product that offers advanced protection against overheating, frost and corrosion. **Valiantech XLC 50/50 Premix** uses organic additives technology (OAT) to ensure safe, year-round vehicle operation.

2. Benefits

Valiantech XLC Antifreeze offers many benefits to the engine designer as well as to the user:

- **Extended life** by synergistic combination
- **Ready to use** does not need water to be added
- **Improved heat transfer** leaves more flexibility to engine design
- **Reduces repairs** to thermostat, radiator and water pump
- **Reliability** depletion free and stable inhibitor
- **Improved hard water stability** absence of silicates and phosphates
- **Save time and money** maintenance-free coolant
- **Suitable for mixed fleets** 1 coolant for automotives & heavy duty application
- **Environmentally friendly** by using carboxylic additives

3. Application

Drain and flush the radiator with **Valiantech RO Water** and fill with **Valiantech XLC 50/50 Premix**. Disposal according to local regulations. Interval changes are based on manufacturer's instructions and recommendations. **Valiantech XLC 50/50 Premix** is miscible and compatible with silicate-free radiator antifreeze with quality Volkswagen TL 774F, Ford WSS-M97B44-D, Mercedes-Benz 325.3, General Motors GM 6277M and MAN 324 type SNF similarly to **Valiantech XLC Antifreeze**.

4. Storage & Requirements

The product should be stored above -20 °C and preferably at ambient temperatures. Periods of exposure to temperatures above 35 °C should be minimised. Further, it is strongly advised not to expose the coolant in translucent packages to direct sunlight because this can degrade the colour dyes present in the coolant, and result in fading of the colour or discoloration over time. This reaction can be accelerated if coupled with high ambient temperatures. To avoid this issue, it is therefore advisable to store coolant filled in translucent packages indoors. **Valiantech XLC Antifreeze** can be stored for minimum 8 years in unopened containers without any effect on the product quality or performance. It is strongly recommended to use new containers and not recycled ones. As with any antifreeze coolant, the use of galvanised steel is not recommended for pipes or any other part of the storage/mixing installation.

5. Technical Data

Characteristics	Units	Range	Test Method	Results
Appearance	-	Report	Visual	Red
Density @ 20Deg.C	g/mL	1.02 to 1.08	ASTM D 5931	1.063
pH 20Deg.C 50%	--	Report	ASTM D 1287	8.215
Reserve Alkalinity	ml HCl	2.8-3.1	ASTM 1121	3.0
Freezing Point	°C	≤-34	ASTM 1177	-40
Boiling Point	°C	>108	ASTM D 1120	110
Hard Water Stability	ppm	<100	VW PV 1426	None