

### Typical chemical and physical properties

Corrosion inhibitor package for high-performance engine coolant, free of borates, phosphates, amines, nitrites and nitrates. Meets the requirements of G12++ and G13 engine coolants.

#### Concentrated aqueous solution of organic acids salts (Si-OAT technology).

Freezing point	-18°C	
Solubility		
Water	Miscible	
Density at 20°C	1,20 -	g/ml
Solubility in water and MEG	Complete	
Colour	<500	Pt-Co
Water content 5% in MEG	<3,00	wt%

*This information is intended as a guideline only. For specifications please consult the Certificate of Analysis.*

### Application and treat level

Markets	Automotive industry Machinery
Applications	Engine coolants Antifreeze
Recommended dosage/usage	The requirement of ASTM D 3306 or ASTM D 4985 are fully met by adding 8% w/w of Coolant SiF-12SC to MEG or MPG.  Add Coolant SiF-12SC to the MEG and homogenize for 30 minutes.

### Key benefits

**- Readily biodegradable -- Free of phosphates -- Free of amines -- Free of borates -- Free of nitrates -- Free of nitrites -**

International, National and Military Standards met by Engine Coolant based on Coolant SiF-12SC:  
BS 6580 (UK) – FVV Heft R 443 (D) – Afnor R 15/601 (1) (F) – SAE J 1034 (1) – JIS K 2234 (J) – KSM 2142 (K) – CUNA NC 956-16 (I) – UNE 26361-88 (E) – EMPA (CH) – ASTM D 3306 and 4985 – NATO S 759 – E/L 1415c (MIL Italy)

OEM Specifications met by Engine Coolant based on Coolant SiF-12SC:

(1) Except reserve alkalinity  
VW TL 774 G (G12++)

<b>Safety and Handling</b>	Please read Safety Data Sheet (SDS) before handling.
<b>Product Specification</b>	This information is available on request through our local representative.
<b>Packaging</b>	This information is available on request through our local representative.
<b>Storage</b>	The product should be stored at a temperature of no less than 10 °C and no more than 25 °C and away from light. For more safety details read the Safety Data Sheet (SDS)

**Quality Policy** The objective of our quality policy is the continuous fulfillment of the internal and external requirements agreed upon with our partners with regards to everybody's performance.

The Quality System of ADDAPT® Chemicals BV is based on the principles of the NEN - EN - ISO - Standard 9001:2015.

**Liabilities** *All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations, buyer or user remains responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility thereof. Buyer has to ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with, and subject to, our general conditions of sale and supply.*

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