

## ADDAPT® Coolant SiF-SP Coolant for Heat Exchangers (Super Concentrate)

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### Typical chemical and physical properties

Coolant SiF-SP is a corrosion inhibitor for high performance Coolants for Heat Exchange systems. It is free of borates, phosphates, amines and nitrites.

#### Composition: aqueous solution of inhibiting salts.

Appearance	liquid
Colour	pale yellow
Density (20 °C)	1.35 g/cm <sup>3</sup>
Solubility in water	complete
Freezing point	- 8 °C
Storage stability	12 month

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

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### Applications and typical treat level recommended

The requirement of ASTM D 3306\* or ASTM D 4985\* are fully met by adding 4% w/w of Coolant SiF-SP to MEG or MPG.  
In case higher reserve alkalinity is required or very diluted operative conditions are foreseen, it is advisable to add 5% of Coolant SiF-SP to MEG or MPG.

*(\*) ref. chemical-physical properties and ASTM D 1384; except aluminium corrosion.*

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### Blending instructions

Pump the glycol in a mixer or tank  
Add the SiF-SP under stirring  
Stir for 30 minutes to homogenize.

# ADDAPT<sup>®</sup> Coolant SiF-SP

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<b>Safety and Handling</b>	Please read Material Safety Data Sheet (MSDS) 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.

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**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<sup>®</sup> Chemicals BV is based on the principles of the NEN-EN-ISO-Standard 9001:2015.

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**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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# ADDAPT<sup>®</sup> Coolant SiF-SP

Typical characteristics of Engine Coolant manufactured with Coolant SiF-SP

CHARACTERISTICS	Coolant SiF-SP MEG	4% 96%	Coolant SiF-SP MEG	5% 95%	ASTM D 3306 LIMITS
Appearance	Clear		Clear		***
Water, mass %	3,2		3,8		5 max.
Reserve alkalinity	15,4		19,1		***
pH (aqueous solution 50%)	9,4		9,5		7,5 – 11,0
Density 15/15 °C	1,125		1,127		1,110 – 1,145
Hard water resistance	Clear				***

ASTM D 1384 – Corrosion Test for Engine Coolant in Glassware

METALS	Coolant SiF-SP MEG	4% 96%	Coolant SiF-SP MEG	5% 95%	ASTM D 3306 LIMITS
	Weight loss – mg/specimen		Weight loss – mg/specimen		Weight loss – mg/specimen
Copper	0,8		0,8		10 max.
Solder	2,2		1,6		30 max.
Brass	0,8		0,7		10 max.
Steel	0,1		0,1		10 max.
Cast Iron	0,2		0,1		10 max.