

### Typical chemical and physical properties

Corrosion inhibitor package for high-performance engine coolants, free of borates, silicates, amines, phosphates, nitrites and nitrates.

#### Concentrated aqueous solution of organic acids salts.

|                            |          |       |
|----------------------------|----------|-------|
| Appearance                 | Liquid   |       |
| Freezing point             | -18°C    |       |
| Solubility                 |          |       |
| Water                      | Miscible |       |
| Solubility in water and EG | Complete |       |
| Colour                     | ≤500     | Pt-Co |
| Density 20°C               | ≥1,2     | g/ml  |
| Boiling point 11% in EG    | ≥170     | °C    |

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

### Application and treat level

|                          |                                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Markets                  | Automotive industry<br>Machinery                                                                                                                                                                                                                                                                                       |
| Applications             | Engine coolants<br>Antifreeze                                                                                                                                                                                                                                                                                          |
| Recommended dosage/usage | The requirement of ASTM D 3306 met by adding 11,0% w/w of Coolant SiF-11SCS to MEG or MPG.<br>11,0% Of Coolant SiF-11SCS added to MPG provides an a Coolant with reserve alkalinity > 12 ml HCl (0,1) and a pH 7-8 (33% in dest. water).<br><br>Add Coolant SiF-11SCS to the MEG or MPG and homogenize for 30 minutes. |

International, National and Military Standards met by Engine Coolant based on Coolant SiF-11SCS:  
BS 6580 (UK) – FVV Heft R 443 (D) – Afnor R 15/601 (1) (F) – SAE J 1034 (1) – JIS K 2234 (1) (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-11SCS:  
PSA B 715110

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Quality Policy</b>        | <p>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.</p> <p>□</p> <p>The Quality System of ADDAPT® Chemicals BV is based on the principles of the NEN - EN - ISO - Standard 9001:2015.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Liabilities</b>           | <p><i>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.</i></p> |

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