

Product description

Corrosion inhibitor package for heavy-duty engine coolants (e.g. caterpillar). It provides long-life protection of all metals of the engine cooling system and is free of borates, phosphates, silicates, amines and nitrates.

Typical chemical and physical properties

Chemical nature	Concentrated aqueous solution of organic acids salts with nitrite and molybdate.	
Freezing point	-10°C	
Solubility		
Water	Miscible	
Odour	Characteristic	
Density at 20°C	1,14 -	g/ml
Colour	<300	Pt-Co
pH 8% in MEG & 50% in water at 20°C	7,5 - 10,0	
Reserve alkaline 0.1 HCl/10 ml - 8%/MEG	>4	min

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

Application and treat level

Markets	Automotive industry Industrial machinery
Applications	Engine coolants Antifreeze
Recommended dosage/usage	The requirement of ASTM D 6210 or ASTM D 4985 are fully met by adding 8% w/w of Coolant SiF-8SCNM to MEG or MPG. Add Coolant SiF-8SCNM to the MEG and homogenize for 30 minutes.

Key benefits

- Free of phosphates -- Free of amines -- Free of silicates -- Free of borates -- Free of nitrites -

International, National and Military Standards met by Engine Coolant based on Coolant SiF-8SCNM (Partial List):
 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 6210 and 6211 – NATO S 759 – E/L 1415c (MIL Italy)

OEM Specifications met by Engine Coolant based on Coolant SiF-8SCNM:
 CAT EC-1 – Navistar B1 Type III – Cummins CES 14603 – John Deere HD24 – MAN 324 – Mercedes DBL 325 – Detroit Diesel / SE298 – Land Rover C.S. – GM 1825/1899 H.T. – MTU 5048 – Volvo Saab Scania 6901 – Kenworth R 026-170-97 Mack 14GS7009 – Freighliner 48-22880 – New Holland WSN-M97B18-D – Paccar C.S. – Peterbilt 8502.002 – IVECO 18-1830

(1) Except reserve alkalinity – (C.W.) = coolant water

Safety and Handling	Please read Safety Data Sheet (SDS) before handling.
Product Specification	This information is available on request through our local representative.
Packaging	This information is available on request through our local representative.
Storage	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	<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>The Quality System of ADDAPT® Chemicals BV is based on the principles of the NEN - EN - ISO - Standard 9001:2015.</p>
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Liabilities	<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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