

# **Product Information**



Article number: 921014

## **HIGHTEC ANTIFREEZE AN-SF 12+**

#### DESCRIPTION

DEUTSCHÖL HIGHTEC ANTIFREEZE AN-SF 12+ is an advanced long-lasting antifreeze concentrate based on monoethylene glycol. It is free of nitrite, amine, phosphate and silicate and offers reliable protection to aluminium and cast iron engines.

#### **Application**

DEUTSCHÖL HIGHTEC ANTIFREEZE AN-SF 12+ has been developed specifically to meet the requirements of modern aluminium and cast iron engines. It reliably protects against deposits and foam formation and thus ensures optimal heat dissipation. It is used in many internal combustion engines according to the manufacturer's specification.

### **Approvals**

- VW TL-774 F (G12+)
- MAN 324 SNF

# The quality of this product is equivalent to EU regulations

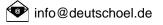
- ASTM D3306/D4985
- AFNOR NF R 15-601
- BS 6580
- SAE J1034
- Deutz DQC CB-14
- Ford WSS-M 97B44-D
- GM 6277M/Opel BO40 1065
- MB 325.3
- MTU MTL 5048
- VW TL-774 D (G12)

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## Additionally this product is recommended when the following filling instructions are required

- JIS K 2234
- Jaguar Land Rover STJLR.651.5003
- Mitsubishi Super Long Life Coolant
- PSA B 71 5110
- Scania TI 02-98 0813 T/B/M sv
- Valva VCS

#### **Benefits**

- It meets the VW specification VW TL 774-F (G12+)
- It is backward compatible with the former VW specifications G12 and G11 (TL 774 C/D)
- Additive technology without silicate
- Available for use in cast iron and aluminium engines
- Prevention of deposits in a reliable manner
- Very good and permanent corrosion protection
- Unsurpassed protection against cavitation
- Minimal tendency to foam
- Miscible and compatible with other antifreeze concentrates of the same specification. However, in order to exploit the full product benefits of HIGHTEC ANTIFREEZE AN-SF 12+, a complete coolant change is recommended.

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info@deutschoel.de www.deutschoel.de 06471-51625-0



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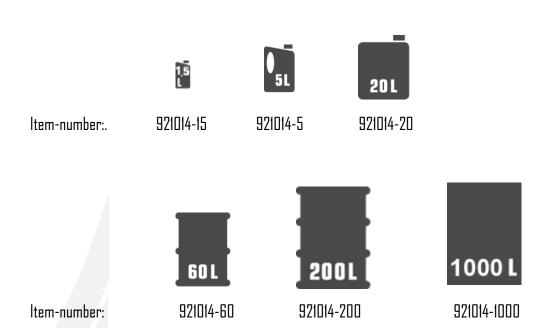


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#### **AVAILABLE PACKAGING**



The information in this product data sheet is based on years of experience of our team and our partners. Our professional competence in the development and manufacturing of lubricants are based on the current state-of-theart. Universally valid statements regarding the function of our lubricants are not possible, because the lubricant performance can be influenced by a series of factors. As a result, the lubricant filling process, the exact purpose of use, the general operating conditions, the system degree of wear and the system contamination etc. must be taken into account in particular in engines, machinery and equipment. The data given in this product data sheet represents general, non-binding guideline values. No warranty expressed or implied is given concerning the properties. We recommend to consult our team regarding the application conditions and requirements before the DEUTSCHOL lubricant is used. The user should test the functional suitability of our lubricants in the intended application and use the product with the corresponding care and responsibility according to the manufacturer's specifications. Our products undergo continuous improvements. We therefore reserve the right to change our product program, the products and their manufacturing processes as well as all details at any time and without warning. Please note: Our products may not be used in aircraft and spacecraft or parts thereof.

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