



COOLER-PROTECTING AGENT

ADDINOL ANTIFREEZE SUPER

PRODUCT DESCRIPTION

ADDINOL Antifreeze Super is a high-quality and environmentally friendly cooler-protecting agent based on ethylene glycol with special protecting additives.

APPLICATION

- Excellent suitability for the application in cooling circuits of all modern gasoline and diesel engines in the vehicle and commercial sector
- Highly fit for cooling circuits of light metal engines (aluminium and aluminium alloys)

Cooler-protecting concentrate must be diluted with water before use (see page 2), preferably with softened water. Please follow the regulations and instructions of equipment manufacturers.

DELIVERY

Delivery preferable in containers, drums, small drums, 20L can and 1.5L bottles.

CHARACTERISTICS

- High chemical stability
- Concentrate – miscible with water
- Improved corrosion protection
- Protection against overheating
- Neutral to rubber and plastics
- Low foaming tendency
- Blue-green colour
- Based on ethylene glycol
- Free from nitrite, amine and phosphate

SPECIFICATIONS

Meets the requirements according to:

- BS 6580
- ASTM D 3306 / D 4656 / D 4985
- SAE J 1034
- VW/AUDI/SEAT/SKODA TL 774-C (G11)
- BMW GS 94000
- Deutz DQC CA-14
- MAN 324 NF (324)
- MB 325.0 / 325.2
- MTU (MTL 5048)
- Opel GM QL 130100
- Porsche (TL 774-C)
- Saab (6901 599)
- Cummins 85T8-2
- Fiat/Iveco
- Lada TTM VAZ 1.97.717-97
- Nato S-759

STORAGE

In closed containers at least 5 years.
Storage at room temperature (max. 35 °C).
Do not expose to direct sunlight.

ADVANTAGES AND BENEFITS

- Long lifetime
- Specific application of demanded antifreeze protection possible, economical use
- Excellent protection of the engine
- All-season application, also usable for extended change intervals (up to 2 years)
- Improved protection against leakages
- Efficient protection against foam formation during practical application
- No danger of confusion with other function fluids
- Miscible with common cooler-protection agents





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Antifreeze Super	Method acc. to
Appearance			clear fluid	visual
Colour			blue-green	visual
Basis			ethylene glycol	
Antifreeze down to (at 69% Antifreeze Super)	max.	°C	-68	
Density	at 20°C	kg{m ³	1125	DIN 51757
Refraction index	at 20°C		1.4333	DIN 51423-2
Flash point	PM	°C	122	DIN EN ISO 2719
Initial boiling point		°C	174	
pH value in water			7.2	similar to DIN 51369
Reserve alkalinity	0.1 M HCl	ml	16.4	

ADDINOL Antifreeze Super is a cooler-protecting concentrate, which has to be diluted before application according to the mixing chart below. It must not be used as pure concentrate. It is miscible with water in any ratio.

Mixing ratio (Vol %)		Antifreeze up to
Antifreeze Super	Water	
33	67	-18°C
50	50	-36°C

No sufficient anticorrosive effect below a concentration of 33% Antifreeze Super!

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.