



COOLER-PROTECTING AGENT

ADDINOL ANTIFREEZE

PRODUCT DESCRIPTION

ADDINOL Antifreeze is an environmentally friendly cooler-protecting agent based on ethylene glycol with special additives.

APPLICATION

- Excellently usable for the application in cooling circuits of all modern gasoline engines
- Particularly suitable for mixed fleet - commercial vehicles, construction machines, agricultural equipment and passenger cars

As cooler-protecting concentrate dilute with water before use (see page 2).

SPECIFICATIONS

Meets the requirements according to:

- BS 6580 – 1992
- BS 5117
- ASTM D 1121 / D 1177 / D 3306 / D 4052

DELIVERY

Delivery preferable in drums, small drums and 1.5L bottles.

STORAGE

In closed containers at least 3 years.
Storage at room temperature (max 35 °C).
Do not expose to direct sunlight.

CHARACTERISTICS

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

ADVANTAGES AND BENEFITS

- Long lifetime
- Specific application of demanded antifreeze protection possible, economical use
- Excellent protection of the engine
- All-season application
- Improved protection against leakages
- Efficient protection against foam formation during practical application
- No formation of deposits
- No danger of confusion with other function fluids
- Miscible with common cooler-protection agents





ADDINOL ANTIFREEZE

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Antifreeze	Method acc. to
Appearance			clear fluid	visual
Colour			blue	visual
Basis			ethylene glycol	
Antifreeze down to (at 69 % Antifreeze)	max.	°C	-68	
Density	at 20°C	kg(m ³)	1132	DIN 51757
Refraction index	at 20°C		1.435	DIN 51423-2
Flash point	PM	°C	122	DIN EN ISO 2719
Initial boiling point		°C	180	
pH value in water	at 50 vol%		8.4	similar to DIN 51369
Reserve alkalinity	0.1 M HCl	ml	3.0	

ADDINOL Antifreeze 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	Water	
40	60	-20°C
45	55	-25°C
50	50	-35°C
55	45	-40°C

No sufficient anticorrosive effect below 33% Antifreeze!

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.