



# Glyco Star - Antifreeze

Special frost protection for radiators concentrate colour: blue/green

## Description:

**Glyco Star - Antifreeze** is based on a mono-ethylene-glycol concentrate. It is a special frost protection for radiators running in summer and wintertime with permanent frost and rust protection (for all-season use).

**Glyco Star - Antifreeze**, the special top performance corrosion and rust protection (with intensified corrosion protection) for motor and radiator system correspond to the demands state-of-the-art development of engine-building.

**Glyco Star - Antifreeze** is free of nitrites, amines and phosphates.

## Characteristics:

- Powerful and long-lasting protection against corrosion for all parts of the cooling system, which consist of materials such as steel, cast iron, aluminum, copper, brass, soft solder
- Maintenance-free frost and overheating protection with a higher boiling point
- Extended coolant life
- Avoidance of cavitation damages, such as on the collant pump
- Compatibility with varnishes
- Compatibility with hose and sealing materials
- Avoidance of sediments, which can cause radiator plugging
- Avoidance of foaming

## Usage:

**Glyco Star - Antifreeze** is excellent for aluminium-, light alloy- and cast-iron motors by use of special additives (please observe product informations).

33% **Glyco Star - Antifreeze**, 67% water and frost protection down to  $-20^{\circ}\text{C}$  is reached.

Recommended concentration 50% **Glyco Star - Antifreeze** and 50% water, with which a frost protection up to  $-38^{\circ}\text{C}$  will be obtained. Antifreeze protection down to  $-69^{\circ}\text{C}$  is possible with a maximum of 69% **Glyco Star - Antifreeze** and 31% water. Depending on the model and the manufacturer the coolant of radiators should be replaced every 2 to 3 years.

## Usable for:

We recommend this product for:	
AFNOR	NF-R 15-601 Type 1
ASTM	D 3306 Type I, D 4985
BEHR (Manufacturer of radiator)	
BMW	GS 94000 (N 600 69)
BS	6580
CHRYSLER	MS-9769
FIAT	9.55523
IVECO	18-1830
MAN	324 Type NF
MB	325.0
MTU	MTL 5048
NATO	S-759
OPEL/GENERAL MOTORS	
PERKINS	
PORSCHE	TL-774 C (G11)
SAE	J 1034
TOYOTA	TA (Europe)
VW/AUDI/SEAT/SKODA	TL-774 C (G11)

## Miscibility:

- **Glyco Star - Antifreeze** can be mixed with the most of the coolants based on ethylene glycol. To achieve an optimal corrosion protection and to avoid sludge formation it is recommended to use pure **Glyco Star - Antifreeze**. For the preparation of mixtures softened water should be preferred.

Data are subject to change.

Attention: Service instructions should be observed!

STL/WINTER/-  
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## Glyco Star - Antifreeze

Article No.	Packaging unit	
STL 3100 123	Can	1500 ml
STL 3100 124	Can	5 L
STL 3100 125	Pail	20 L
STL 3100 126	Drum	60 L
STL 3100 128	Drum	200 L
STL 3100 129	PE-Container	1000 L

## Typical characteristics:

Specific weight at 20°C	kg/m <sup>3</sup>	1.110 - 1.145
Flash point COC	°C	>120
Boiling point	°C	174
ph-Value		7,2
Water content	%	3,5
Foam behaviour		corresponds
Pour point antifreeze/water=1:1°C		-38/-40
Ethylene glycol	%	93,5
Content of inhibitors	%	5,4
Ash content	%	1,3
Reserve alkalinity	(ph 5,5)	16
Colour		blue/green

