



Glysofor

Glysofor CARBO – Specification

Product features

Glysofor CARBO is an environmentally friendly refrigerant agent medium based on alkali carbonates.

It can be used as a coolant in all systems that are made of stainless steel.

Chromium nickel steel, steels with a low or no nickel content as well as chromium molybdenum steel are largely resistant to Glysofor CARBO.

On an inorganic basis, Glysofor CARBO is free from chlorides and inhibitors. Similarly, it does not contain any nitrites, phosphates, amines, silicates or borates.

Glysofor CARBO is delivered as a brine which is ready to be filled in and has an antifreeze value of -12 degrees Celsius.

It can be mixed with chloride-free water in every ratio and offers, depending on the specifications and the dilution, reliable antifreeze protection and cold transport.

Environmentally friendly cooling brine based on alkali carbonates

Areas of application: Cooling systems, Cold chains, heating pumps etc.

Optimum viscosity and thermal conductivity

Ready-to-use

Frost protection -12 °C

It is typically used in cooling systems, cold chains, heating pumps and other systems which carry liquids.

Our glycol based concentrates "Glysofor N" and "Glysofor L" are available for multi-metal installations and installations made from copper, brass or bronze.

Product data

Chemical name	Potassium carbonate, Aqua Dest.
Appearance	clear to slightly yellowish liquid
Packaging	Canisters / barrels / IBCs / tank vehicles
ADR	KI 0 number
EC-No.	209-529-3
CAS-No.	584-08-7
WHC	1
Density / spec. weight	1,25 kg/dm ³
Concentration	28,8 °Be´
Frost protection	- 12 °C
Specific heat (20 °C)	3,099 J/g K
Viscosity	2,1 mPas
Thermal conductivity	0,56 W/m K

Application

Preparation: Before the plant is filled for the first time, it should be tested for leaks. For this purpose, the plant should initially be filled with chloride-free water in the amount specified by the plant manufacturer, so that if any leakage occurs, no cooling brine will be released accidentally. If it is not possible to test the plant using water (e.g. due to low temperatures), the plant should be observed during the filling process as far as possible.

Filling: Glysofor CARBO is ready to be filled in upon delivery and can be incorporated directly into the plant that is to be filled in.

Refilling: If the system needs to be refilled, this must be done using solely Glysofor CARBO. Glysofor CARBO must never be mixed with cooling brine with a chloride or calcium basis.

Packaging sizes

- 10 kg canister
- 25 kg canister
- 30 kg canister
- 220 kg barrel
- 1.000 kg IBC
- 24.000 kg tank vehicle

This data relates to the correct and appropriate application of our products, with due consideration of the professional standards and regulations of the area of application. It is for informational purposes only and does not absolve the obligation to carry out the due materials testing upon arrival. The data is based on our current state of knowledge and is not meant to guarantee specific properties. No general or legally binding statement on certain features, in a concrete application, can be derived from the above data. It is meant to describe our products with regard to their composition and offer application advice. Any industrial property rights of third parties and the suitability for a special application purpose are to be observed and verified by the user..



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