

Technical Information

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® = Registered trademark of BASF
in many countries.

Polyquart® 149

Acrylic copolymer, Na-salt.

Chemical Character

Aqueous solution of an acrylic copolymer, Na-salt. Polyquart® 149 contains max. 0.0049% 1,2-Benzisothiazolin-3-one and max. 0.009% Methyl-4-isothiazolin-3-one.

PRD-No.*

30636663

* BASF's commercial product numbers.

Appearance

Polyquart® 149 is a clear, rarely slightly cloudy, yellowish liquid at room temperature and tends to form sediment in the coldness.

**Handling and Storage****Handling**

- Polyquart® 149 should be stored indoors in a dry place in its original sealed packaging. It is advisable to tightly seal any opened container if they have only been partly emptied.
- Polyquart® 149 is frost sensitive! The storage temperature must be between min. 0 °C and max. +40 °C. Storage temperatures above +40 °C destroy the product properties. This is an irreversible process.
- Storage temperatures above +25 °C will cause an increase of the color number.
- At low temperatures (approx. +5 °C) the product could become solid. Warming to about +10 °C up to +25 °C allows the product to become liquid again. Though it is almost homogenous after thawing, it is recommended to stir it prior to use.
- Drums or IBSs that contain solidified product or liquid that has begun to precipitate or separate should be reconstituted by gentle heating, preferably in a heating cabinet. The temperature must not be allowed to exceed max. +40 °C. It must be mixed sufficiently prior to use. This also applies if drums are heated by external electrical elements. Internal electrical elements should not be used because of the localized anomalies in temperature that they can cause.
- Polyquart® 149 must be blanketed with nitrogen if it is stored in heated tanks (at max. +40 °C) to prevent air contact. Constant, gentle stirring helps to prevent it being discolored as a result of prolonged contact with electrical elements or external heating coils.
- Please refer to the latest Safety Data Sheet for detailed information on product safety.

Materials

The following materials can be used for tanks and drums:

- Stainless steel 1.4541 – AISI 321 (X6 CrNiTi 18-10)
- Stainless steel 1.4571 – AISI 316 Ti (X6 CrNiMoTi 17-12-2)
- Stainless steel 1.4306 – AISI 304 L (X2 CrNi 19-11)
- HDPE – high density polyethylene
- LDPE – low density polyethylene

Shelf life

Polyquart® 149 has a shelf life of at least 18 months in its original packaging.

Properties

Some physical properties are listed in the table below. These are typical values only and not all of them are monitored on a regular basis. They are correct at the time of publication and do not necessarily form part of the product specification. A detailed product specification is available on request or via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

	Unit	Value
Physical form (25 °C)		liquid
Concentration (dry content) (ISO 3251, 1 g, 110 °C, 2 h)	%	approx. 22
pH value (DIN 19268, 25 °C, as is)		approx. 6.5
Viscosity (ISO 2555, Brookfield RVT, 25 °C, as is, Spindle 2, 100 rpm)	mPa·s	approx. 250
Density (DIN 51757, method 3, 25 °C)	g/cm ³	approx. 1.05
Iodine color (DIN 6162, 25 °C, as is)		max. 3
Water content (= 100%-concentration (dry content))	%	approx. 78
Pour point (ISO 3016)	°C	approx. -2

Safety

We know of no ill effects that could have resulted from using Polyquart® 149 for the purpose for which it is intended and from processing it in accordance with current practices.

According to the experience that we have gained over many years and other information at our disposal, Polyquart® 149 does not exert harmful effects on health, provided it is used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data Sheets are observed.

Please refer to the latest Safety Data Sheet for detailed information on product safety.

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