

Technical Information

February 2017

Supersedes issue dated June 2016

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Polyquart® Pro A

® = Registered trademark of BASF
in many countries.

**Acrylic copolymer, Na-Salt,
polymer additive for hard surface modification.**



distribuito da:

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Chemical Character

Aqueous solution of an Acrylic copolymer, Na-Salt. Polyquart® Pro A is preserved with max. 70 ppm 2-Methyl-2H-isothiazol-3-one and max. 150 ppm 1,2-Benzisothiazol-3(2H)-one.

PRD-No.*

30539214

* BASF's commercial product numbers.

Appearance

Polyquart® Pro A is a clear, slightly cloudy, colorless till yellowish liquid at room temperature and tends to form sediment in the coldness.

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

- a) Polyquart® Pro A should be stored indoors in a dry place in its original sealed packaging. Storage rooms must have a maximum temperature of + 40 °C. It is advisable to tightly seal any opened container if they have only been partly emptied. Drums must be resealed after each time they are opened.
- b) Polyquart® Pro A is frost sensitive! The storage temperature must be between min. + 5 °C. and max. + 40 °C. Storage temperatures below + 5 °C destroy the product properties. This is an irreversible process.
- c) Drums that contain solidified product or liquid that have 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.
- d) To avoid discoloration, Polyquart® Pro A must be blanketed with nitrogen if it is stored in heated tanks (max. + 40 °C) to prevent it from coming into contact with air. Constant, gentle stirring helps to prevent it being discolored as a result of prolonged contact with electrical elements or external heating coils. Polyquart® Pro A must be protected from sunlight and high temperatures to avoid discoloration and the formation of surface films.
- e) 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:

- a) Stainless steel 1.4541 – AISI 321 stainless steel (X6 CrNiTi 1810)
- b) Stainless steel 1.4571 – AISI 316 Ti stainless steel (X6 CrNiMoTi 17122)
- c) Stainless steel 1.4306 – AISI 304 L stainless steel (X2 CrNi 1911)
- d) HDPE – high density polyethylene
- e) LDPE – low density polyethylene

Shelf life

Provided it is stored properly and drums are kept tightly sealed, Polyquart® Pro A has a shelf life of 18 months in its original packaging.



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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).

Polyquart® Pro A	Unit	Value
Physical form (25 °C)		liquid
Concentration (dry content) (ISO 3251, 1 g, 110 °C, 2 h)	%	approx. 22
pH value (EN 1262, 25 °C, as is)		approx. 6.5
Viscosity (ISO 2555, Brookfield RVT, 25 °C, as is)	mPa·s	approx. 250
Density (DIN 51757, 25 °C)	g/cm ³	approx. 1.03
Color HAZEN (EN 1557, as is 25 °C)		max. 250
Water content (100%-dry content)	%	approx. 78

Safety

We know of no ill effects that could have resulted from using Polyquart® Pro A 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® Pro A 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.

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