
Technical Information

Sokalan® CP 10

Modified polyacrylic acid, Na-salt, scale inhibitor.

June 2019 | Supersedes from July 2015 | Last change WF-No. 20548

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® = Registered trademark of BASF in many countries.

Chemical nature

Modified polyacrylic acid, Na-salt

PRD-No.*

30051448

* BASF's commercial product numbers.

Appearance

Sokalan® CP 10 is an aqueous solution at 23 °C.

Handling and Storage**Handling**

- a) Sokalan® CP 10 should be stored in a dry place in its original sealed packaging.
- b) It is advised to tightly seal every opened container, if they were only partly emptied.
- c) Usage, preferably, the total contents of a packing unit should be processed at once.
If this is not possible, the material should be homogenized before further use.
- d) The storage temperature must not exceed 60 °C and should exceed 25 °C only for a short period of time.
Storage at temperatures exceeding 25 °C for long periods can result in undesirable color increases.
- e) To avoid discoloration, Sokalan® CP 10 must be blanketed with nitrogen if it is stored in heated tanks (up to 60 °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.
- f) Please refer to the latest Safety Data Sheet for detailed information on product safety.

Shelf life

Provided, the product is stored properly and drums/containers are kept tightly sealed, it has a shelf life of at least 24 months in its original packaging.

Materials

The following materials can be used for handling and storage:

- a) Stainless steel 1.4541 – AISI 321 (X6 CrNiTi 18-10)
- b) Stainless steel 1.4571 – AISI 316 Ti (X6 CrNiMoTi 17-12-2)
- d) HDPE – high density polyethylene
- e) LDPE – low density polyethylene

It is not recommended to store Sokalan® CP 10 in plain carbon steel, because this would cause significant discoloration of the product within a short period of time.

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).

Sokalan® CP 10	Unit	Value
Concentration (dry content) (ISO 3251, 1 g, 140 °C, 30 min.)	%	approx. 45
Mean molar mass (Mw) (BASF method, GPC)	g/mol	approx. 3500
pH value (DIN 19268, 23 °C, tel quel)		approx. 8.5
K-value (ISO 1628-1, 1% dry substance in dist. water)		approx. 20
Viscosity (ISO 3219, 23 °C, shear rate 100 1/sec)	mPa·s	500
Density (DIN 51757, 23 °C)	g/cm ³	approx. 1.30
Water content (ISO 3733)	%	approx. 55
Na-acrylate (calculated as acrylic acid, HPLC BASF method)	%	<0.01
Solubility (visual, 23 °C, 10% dry substance in dist. water)		clear
Pour point (ISO 3016)	°C	approx. -35

Safety and Labeling

Please refer to the safety data sheet for information on classification & labeling, safe use, handling and transport.

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