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# Technical Information

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## Sokalan<sup>®</sup> CP 7

Maleic acid/acrylic acid copolymer, sodium salt.

Dispersing agent for organic and inorganic solids, particularly for aqueous media.

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® = Registered trademark of BASF in many countries.



We create chemistry

**Chemical nature**

Maleic acid/acrylic acid copolymer, sodium salt.

**PRD-No.\***

30042784

\* BASF's commercial product numbers.

**Appearance**

Sokalan® CP 7 is a clear, colorless to slightly yellowish liquid at room temperature and tends to separate, settlement of the polymer or skinning of surface in the coldness.

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

- a) Sokalan® CP 7 should be stored indoors in a dry place in its original sealed packaging. Storage rooms must have a maximum temperature of + 25 °C. Drums and IBCs must be resealed after each time they are opened.
- b) Sokalan® CP 7 is hazy in appearance when freshly produced and becomes clear under normal circumstances within approx. 6 weeks.
- c) Sokalan® CP 7 is frost sensitive! The storage temperature must be between min. + 5 °C and max. + 25 °C. Storage temperatures below + 5 °C destroy the product properties. This is an irreversible process. Storage temperatures above + 25 °C will cause an increase of the color number.
- d) The storage temperature must not fall below + 5 °C. The congealing point of Sokalan® CP 7 also needs to be taken into account. The product is frost sensitive!
- e) At low temperatures the product becomes slightly cloudy. The product becomes liquid again at max. + 25 °C. It must be mixed sufficiently prior to use. Sokalan® CP 7 tends to separate, settlement of the polymer or skinning of surface with time. This is no negative effect for using the product, it's properties or thickening efficiency.
- f) Sokalan® CP 7 must be protected from sunlight and high temperatures to avoid discoloration and the formation of surface films.
- g) Sokalan® CP 7 must be blanketed with nitrogen if it is stored in heated tanks (at max. + 25 °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.
- h) Sokalan® CP 7 should be stored in heated tanks at max. + 25 °C to avoid a dark color.
- i) 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 (X6 CrNiTi 18-10)
- b) Stainless steel 1.4571 – AISI 316 Ti (X6 CrNiMoTi 17-12-2)
- c) Stainless steel 1.4306 – AISI 304 L (X2 CrNi 19-11)
- d) HDPE – high density polyethylene
- e) LDPE – low density polyethylene

**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.

## Properties

Some physical properties are listed in the tables 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 7	Unit	Value
Physical form (25 °C)		liquid
Concentration (dry content) (ISO 3251, 0.25 g, 150 °C, 2 h)	%	approx. 40
pH value (DIN 19268)		approx. 8
Color APHA (EN 1557, 25 °C, as is)		max. 250
K value (ISO 1628-1, 1.0% dry substance in dist. water, pH 7)		approx. 50
Viscosity (ISO 2555, Brookfield, 25 °C)	mPa·s	approx. 1500
Density (DIN 51757, 25 °C)	g/cm <sup>3</sup>	approx. 1.30
Solubility (visual, 25 °C, 10% dry substance in dist. water)		clear
Pour point (ISO 3016)	°C	-4

## Application

Dispersant agent for pigments and encapsulated dyes in the paper and textile industry. Additive for the production of antistatic agents.

## Safety

We are not aware of any ill effect that can result from using Sokalan® CP 7 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, Sokalan® CP 7 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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