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# Technical Information

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## Sokalan<sup>®</sup> CP 9

Maleic acid/Olefin copolymer, Na-Salt.

Dispersing agent for organic and inorganic solids, particularly for aqueous media and mixtures of water and organic solvents.

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® = Registered trademark of BASF in many countries.

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<b>Chemical nature</b>	Aqueous solution of an copolymer based on Maleic acid and Olefin, Na-Salt.
<b>PRD-No.*</b>	30042823  * BASF's commercial product numbers.
<b>Appearance</b>	Sokalan® CP 9 is a clear, rarely slightly cloudy, colorless till yellowish liquid at room temperature and tends to form sediment in the coldness.

## Handling and Storage

### Handling ONLY packaged goods

- Sokalan® CP 9 should be stored in a dry place in its original sealed packaging.
- Sokalan® CP 9 is hazy in appearance when freshly produced and becomes clear under normal circumstances within approx. 6 weeks.
- Sokalan® CP 9 can slightly separate during the storage time. The product must be homogenized before it is processed. It must be mixed sufficiently prior to use.
- The storage temperature must be between min. 0 °C and max. +45 °C. Storage temperatures above +30 °C will cause an increase of the color number.  
At low temperatures (approx. +5 °C) Sokalan® CP 9 forms crystals and becomes solid. Drums or IBCs containing solidified product or liquid that has begun to precipitate or separate should be reconstituted by gentle heating, preferably in a heating cabinet.  
Warming up to max. +30 °C allows the product to become liquid again. 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.
- Sokalan® CP 9 must be protected from sunlight and high temperatures to avoid discoloration and the formation of surface films.
- Sokalan® CP 9 must be blanketed with nitrogen if it is stored to prevent air contact. Air contact can cause discoloration.
- Please refer to the latest Safety Data Sheet for detailed information on product safety.

### Handling ONLY bulk containers

- The storage temperature for bulk product must be between min. 0 °C and max. +45 °C. Storage temperatures above +30 °C cause an increase of the color number. At low temperatures (approx. < +5 °C) Sokalan® CP 9 forms crystals and becomes solid.
- Sokalan® CP 9 is hazy in appearance when freshly produced and becomes clear under normal circumstances within approx. 6 weeks.
- Sokalan® CP 9 can slightly separate during the storage time. The product must be homogenized before it is processed. It must be mixed sufficiently prior to use.
- Sokalan® CP 9 must be protected from high temperatures (> +40 °C) to avoid discoloration and the formation of surface films.
- Sokalan® CP 9 must be blanketed with nitrogen if it is stored in heated tanks (at max. +40 °C) to prevent air contact. Air contact can cause discoloration. 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.

**Shelf life**

Sokalan® CP 9 has a shelf life of at least 24 months in its original packaging.

**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

**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).

<b>Sokalan® CP 9</b>	<b>Unit</b>	<b>Value</b>
Physical form (25 °C)		liquid
Concentration (dry content) (ISO 3251, 3 g, 120 °C, 30 min.)	%	approx. 25
pH value (DIN 19268, 25 °C, as is)		approx. 11
Iodine color (EN 1557, 25 °C, as is)		approx. 2
K value (ISO 1628-1, 1.0% dry substance in dist. water)		approx. 35
Viscosity (EN 12092, Brookfield, 25 °C, as is)	mPa·s	max. 250
Density (DIN 51757, method 3) 25 °C 40 °C	g/cm <sup>3</sup> g/cm <sup>3</sup>	approx. 1.11 approx. 1.10
Solubility (visual, 23 °C, 10% dry substance in dist. water)		clear to slightly turbid
Residual Na-maleate (calculated as Maleic acid, HPLC BASF method)	%	approx. 0.3

**Safety and Labeling**

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

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