
Technical Information

Sokalan® CP 9 Powder

Maleic acid/Olefin copolymer, Na-Salt.

March 2020 | Supersedes issue dated January 2017 | Last change WF-No. 23078

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® = Registered trademark of BASF in many countries.



We create chemistry

Chemical nature

Maleic acid and Olefin-Copolymer, Na-Salt.

PRD-No.*

30596022

* BASF's commercial product numbers.

Appearance

Sokalan® CP 9 Powder is a white to slightly yellowish **powder** at room temperature.

Handling and Storage**Handling**

- a) Sokalan® CP 9 Powder should be stored in a dry place at a temperature not exceeding +40 °C. It must be protected from sunlight to ensure that it does not form lumps.
- b) Sokalan® CP 9 Powder is hygroscopic which means it can absorb moisture very quickly. Opened drums or containers must be resealed tightly after each removal of product to prevent absorption of moisture.
- c) Big bags are not to be stacked during storage in order to prevent lumping/agglomeration due to weight compression.
- d) Please refer to the latest Safety Data Sheet for detailed information on product safety.

Shelf life

Sokalan® CP 9 Powder has a shelf life of at least 18 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

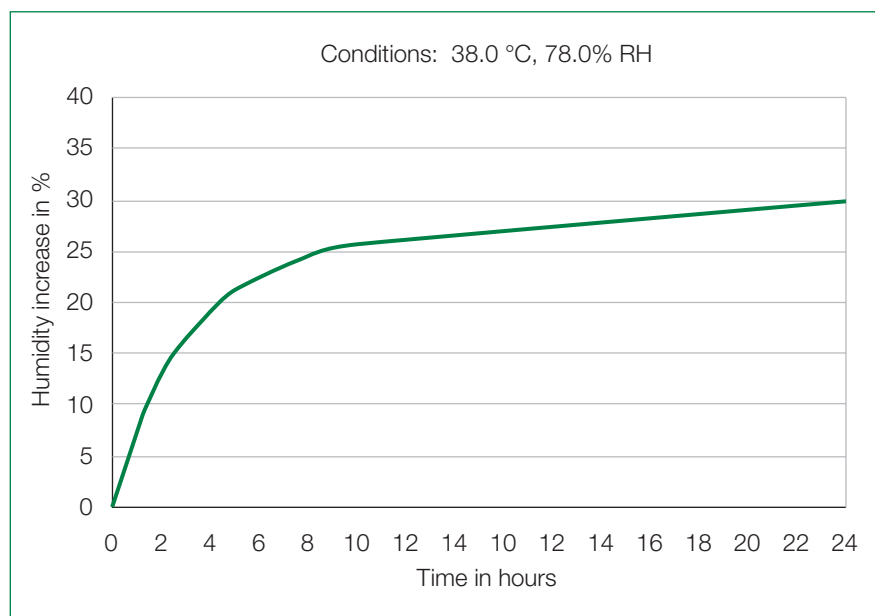
Properties

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).

Sokalan® CP 9 Powder	Unit	Value
Physical form (25 °C)		Powder
Concentration (dry content) (ISO 3251, 5 g, 150 °C, 16 h)	%	min. 89
pH value (DIN 19268, 10% dry substance in dist. Water)		approx. 11
Color APHA (EN 1557, 25 °C, 10% dry substance in dist. Water)		approx. 40
K-value (ISO 1628-1, 1.0% dry substance in dist. water)		approx. 35
Viscosity (EN 12092, Brookfield, 25% dry substance in dist. Water, 25 °C)	mPa · s	approx. 50
Bulk density (ISO 697)	g/L	approx. 450
Residual Na-maleate (calculated as Maleic acid, HPLC BASF method)	%	approx. 0.2
Water content (=100%-concentration (dry content))	%	max. 11
Solubility (visual, 25 °C, 10% dry substance in dist. water)		clear to slightly turbid

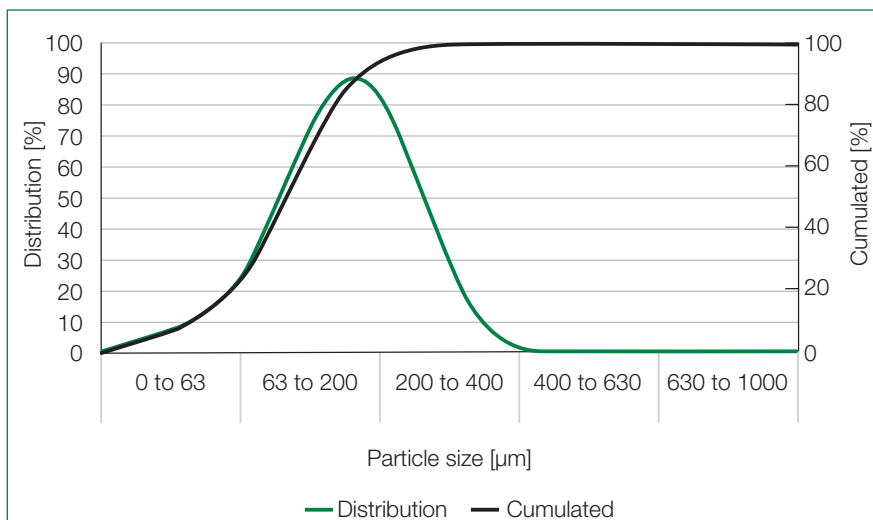
Hygroscopicity

For storage and processing of Sokalan® CP 9 Powder it is important to know how the product behaves at elevated temperatures and humidity. The following graph shows this dependency (the represent approximate values):



Particle distribution

The following graph shows the particle distribution (curve) and component ratio (bars) of Sokalan® CP 9 powder (the represent approximate values):



Application

Sokalan® CP 9 powder is a copolymer of maleic acid and an olefin, neutralized to a sodium salt. Sokalan® CP 9 powder can be used as dispersing agent in WG (4 – 5%), WP (1 – 2%), and SC (2 – 5%) formulations. In SC, it should be combined with a wetting agent for the grinding step e.g a sulfosuccinate. In solid formulations, it can be used with both inorganic actives such as copper salts and synthetic fungicides.

Safety and Labelling

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

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