
Technical Information

Sokalan[®] CP 5 Powder

Maleic acid/acrylic acid copolymer, Na-salt.

July 2018 | Supersedes issue dated June 2018 | Last change WF-No. 16779

08_180602e-01/Page 1 of 4

® = Registered trademark of BASF in many countries.

Chemical Character

Acrylic acid and maleic acid-copolymer Na-salt.

PRD-No.*

30042799

* BASF's commercial product numbers.

Appearance

Sokalan® CP 5 Powder is a white powder at room temperature.

Handling and Storage**Handling**

- a) Sokalan® CP 5 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 5 Powder is hygroscopic which means it can absorb moisture very quickly. Open drums or containers must be resealed tightly after each removal of product to avoid 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.

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

It is not recommended to store Sokalan® CP 5 Powder in plain carbon steel, because this would cause significant discoloration of the product within a short period of time.

Shelf life

Sokalan® CP 5 Powder has a shelf life of at least 24 months in its original packaging.

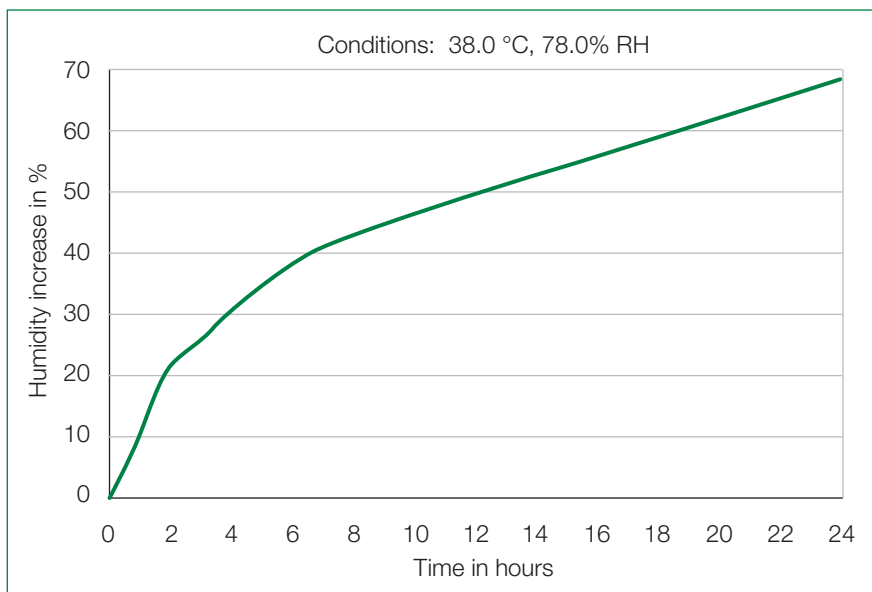
Properties

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 5 Powder	Unit	Value
Physical form (25 °C)		powder
Concentration (dry content, ISO 3251,1 g, 160 °C, 1 h)	%	approx. 92
pH value (DIN 19268, 10% dry substance in dist. water)		approx. 8
Color APHA (EN 1557, 25 °C, 10% dry substance in dist. water)		approx. 100
K value (ISO 1628-1, 1% dry substance in dist. water)		approx. 55
Viscosity (ISO 12092, Brookfield, 20 % dry substance in dist. water, 23 °C, Spindle 1, 60 rpm)	mPa·s	approx. 40
Bulk density (ISO 697)	g/L	approx. 400
Water content (100%-concentration (dry content))	%	approx. 8
Solubility (visual, 23 °C, 10% dry substance in dist. water)		clear
Particle size distribution		
>1000 µm	%	0.1
630 – 1000 µm	%	0.3
400 – 630 µm	%	0.5
200 – 400 µm	%	7.5
63 – 200 µm	%	66.6
<63 µm	%	25.0
Residual Na-acrylate (HPLC BASF method)	%	max. 0.05
Residual Na-maleate (HPLC BASF method)	%	max. 0.5

Hygroscopicity

For storage and processing of Sokalan® CP 5 Powder it is important to know how the product behaves at elevated temperatures and humidity. The following graph shows this dependency (approximate values):



Safety

We are not aware of any ill effect that can result from using Sokalan® CP 5 Powder 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 5 Powder 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.

Labelling

Details about the classification and labelling of our products and further advice on safe handling are contained in the current safety data sheets.

Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.

July 2018