Technical Information

Sokalan® CP 5 Granules

Maleic acid/acrylic acid copolymer, Na-Salt.

BASF
We create chemistry

Chemical nature	Acrylic acid and maleic acid-copolymer Na-Salt.
PRD-No.*	30042797 * BASF's commercial product numbers.
Appearance	Sokalan® CP 5 Granules is a white, rarely slightly yellowish granulate or granulate material at room temperature.

Handling and Storage

Handling	a) Sokalan® CP 5 Granules 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 Granules 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 5 Granules 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

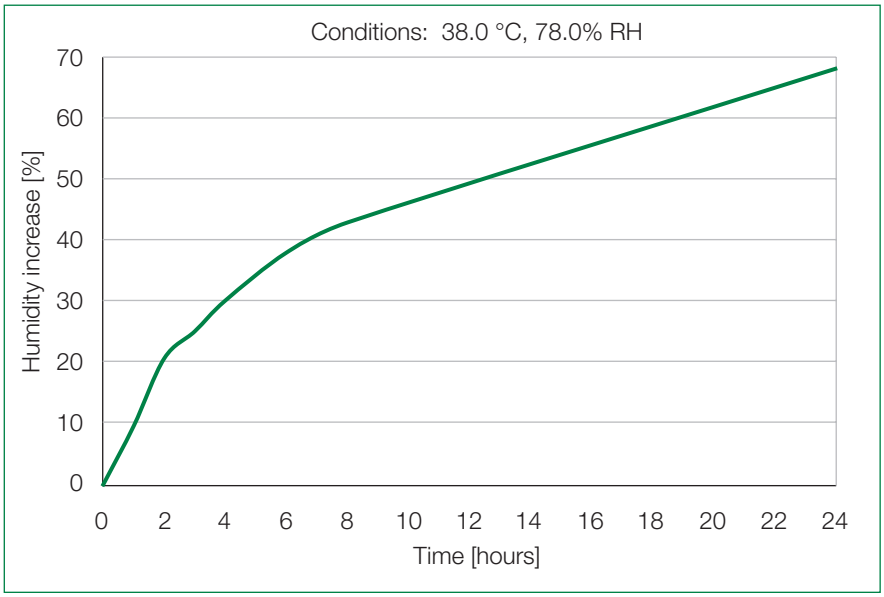
Properties

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.

Sokalan® CP 5 Granules	**Unit**	**Value**
Physical form (25 °C)		granules
Concentration (dry content) In accordance with ISO 1269 (200°C, 3g, shutdown criterion 5)	%	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. 2
K-value (ISO 1628-1, 1.0% dry substance in dist. water)		approx. 55
Viscosity (EN 12092, Brookfield, 25% dry substance in dist. water, 25 °C)	mPa·s	approx. 50
Bulk density (ISO 697)	g/L	approx. 580
Water content (=100%-concentration (dry content))	%	approx. 8
Solubility (visual, 25 °C, 10% dry substance in dist. water)		clear to slightly turbid
Residual Na-maleate (HPLC BASF method)	%	max. 0.35
Residual Na-acrylate (HPLC BASF method)	%	max. 0.05

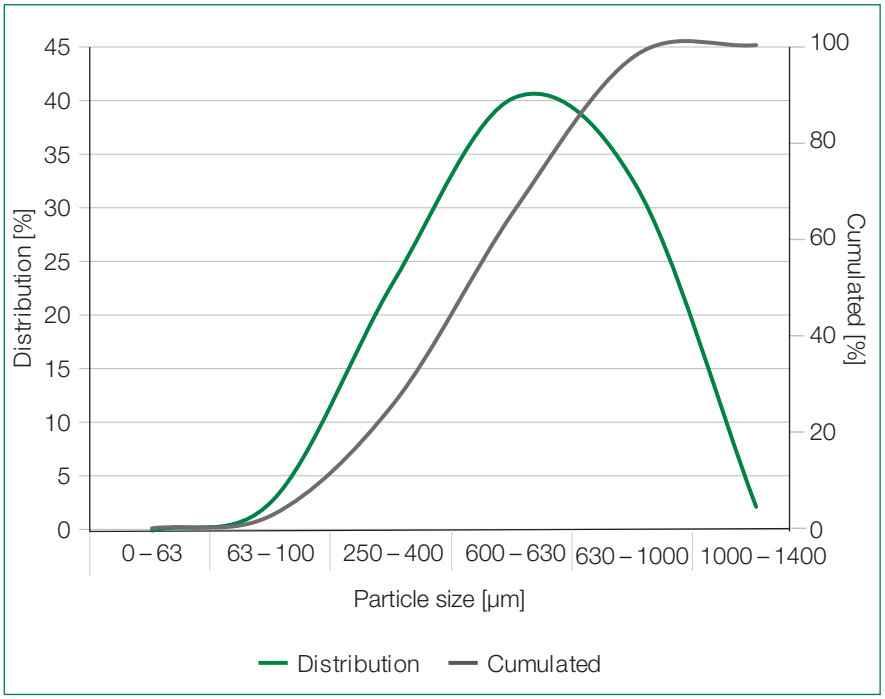
Hygroscopicity

For storage and processing of Sokalan® CP 5 Granules 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 size distribution

The following graph shows the particle size distribution for Sokalan® CP 5 Granules (approximate values):



Safety and Labeling

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

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