
Technical Information

Sokalan[®] CP 42

Modified Polycarboxylate, sodium salt.

August 2019 | WF-No. 21193

08_190804e-00/Page 1 of 3

® = Registered trademark of BASF in many countries.

 **BASF**

We create chemistry

Chemical nature Modified polycarboxylate, sodium salt.

PRD-No.* 30208142

* BASF's commercial product numbers.

Appearance Sokalan® CP 42 is aqueous solution.

Handling and Storage

Handling

- a) Sokalan® CP 42 should be stored in a dry place at a temperature not exceeding + 25 °C.
- b) It is advisable to tightly seal any opened container if they have only been partly emptied.
- c) Sokalan® CP 42 is a clear liquid and tends to separate in the coldness. This is a reversible process. It becomes a clear liquid at approx. +40 °C.
- d) At low temperatures (approx. +5 °C) the Sokalan® CP 42 becomes solid. Warming to about +30 °C up to +40 °C allows the PRODUCT to become liquid again. Though it is almost homogenous after thawing, it is recommended to stir it prior to use.
- e) Drums that contain solidified Sokalan® CP 42 or liquid that have begun to precipitate or separated should be reconstituted by gentle heating, preferably in a heating cabinet. The temperature must not be allowed to exceed max. +40 °C. 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.
- f) Please refer to the latest Safety Data Sheet for detailed information on product safety.

Shelf life Sokalan® CP 42 has a shelf life of at least 18 months in its original packaging, provided it is stored properly.

Materials

The following materials can be used for handling and storage:

- a) Stainless steel 1.4301 – AISI 304 (X5 CrNi 18-10)
- b) Stainless steel 1.4401 – AISI 316 (X5 CrNiMo 17-12-2)
- c) Stainless steel 1.4541 – AISI 321 (X6 CrNiTi 18-10)
- d) Stainless steel 1.4571 – AISI 316 Ti (X6 CrNiMoTi 17-12-2)
- e) HDPE – high density polyethylene
- f) 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 42	Unit	Value
Solubility (visual, 23 °C, 10% dry substance in dist. water)		clear to slightly turbid
Concentration (dry content) (ISO 3251, 1 g, 120 °C, 2 h)	%	approx. 40
K-value (ISO 1628-1, 1% dry substance in dist. water)		approx. 30
pH value (DIN 19268, 10 % dry substance in dist water)		approx. 6
Pour point (ISO 3016)	°C	approx. 0
Viscosity (Brookfield, 23 °C, as is)	mPa·s	approx. 200
Water content (ASTM – D 1744)	%	approx. 60
Density (ASTM D 1298, 23 °C)	g/cm ³	approx. 1.2
Color iodine (EN 1557, 23 °C)		approx. 2

Application

Scale inhibitor for automatic dish wash detergents, particularly effective against Ca-phosphate

Safety and Labeling

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

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.

August 2019