

# Dispex® CX 4320

## general

- effective dispersing agent for dispersing inorganic fillers and pigments
- improves wet scrub and blocking resistance

## chemical nature

sodium salt of a carboxylic acid copolymer in water

## Properties

### physical form

yellowish liquid

### storage

Dispex® CX 4320 must not be allowed to come into contact with metals or alloys that are liable to corrosion. The product should always be stored in tightly closed containers. In storage tanks, the air must always be saturated with water vapor.

### typical properties (no supply specification)

concentration (dry content)	~ 25 %
pH value	~ 10.5
viscosity	~ 50 mPa·s
average molecular mass (GPC)	~ 12000 g/mol
density	~ 1.11 g/cm <sup>3</sup>

## Application

Dispex® CX 4320 is a polymeric dispersing agent for inorganic fillers and pigments. It is anionic, and it is supplied in the form of a sodium salt. It is particularly effective for dispersing inorganic fillers and pigments in high gloss, semi-gloss and highly filled interior paints. Dispex® CX 4320 offers the following advantages:

- excellent dispersing efficiency for inorganic pigments and extenders
- improves gloss - reduces haze
- improves wet scrub resistance
- improves blocking resistance
- excellent ZnO-stability

### recommended concentrations

Recommended dosages of Dispex® CX 4320 depend on the nature of the solids to be dispersed. In general the dosage is between 0.2 –1.0 %, calculated on the total formulation. In critical formulations it is possible to increase the dosage up to 2%.

## Contacts worldwide

## Asia

BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

## North America

BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

## Europe

BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

## South America

BASF S.A  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

**Validity**

This Technical Data Sheet is valid for all versions of the Dispex CX 4320.

**Safety**

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

® = registered trademark, ™ = trademark of BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)