



Carbosan CD 100

Chemical description

Biocides

Main use

Antimicrobial preserving agent for the ceramic industry.

Typical values

Appearance at 20°C: clear to yellowish liquid

Colour at 20°C: yellow-brown

Solubility in water at 25°C: Complete at every ratio

pH at 25°C: 2-4

Properties

CARBOSAN CD 100 is a formaldehyde free broad microbiological activity spectrum combination biocide.

CARBOSAN CD 100 is a proper preservative for all the fluids (glazes, engobes, body slips, solutions of binders and fixing agents, printing pastes) used in the manufacturing of ceramics, that can be affected by the action of micro-organisms, with alteration of their properties and appearance. It is particularly designed to prevent decrease of viscosity and poor performances of glazes and engobes containing binders based on natural polymers.

CARBOSAN CD 100 can be added in the mill during grinding or in storage tanks, or directly into the water when preparing mother solution of CMC (or other binders).

It is advisable to add CARBOSAN CD 100 as early as possible.

It presents a series of advantages:

- Lack of strong unpleasant smell;
- Wide spectrum of activity against bacteria, yeasts and moulds
- Very strong action
- Remarkable mixing velocity due to its good solubility;
- Absence of foam.

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CARBOSAN CD 100 can be also implemented to treat industrial waste waters from bacteria attack.

Applications

CARBOSAN CD 100 can be introduced at the beginning of the preparation in the mill and/or in the water in case of preparations of mother solution of organic binders. The doses of use depend on the type of material to be preserved, the nature of the contamination present and the preservation time you intend to achieve. As an indication, these dosages can be adopted:

Use	CARBOSAN CD 100 (% by weight)
Biocide for glazes	0,05 ÷ 0,3
Preservative for organic binders' solutions	0,1 ÷ 0,4

Storage and handling

CARBOSAN CD 100 is stable to prolonged storage under condition where extreme temperatures do not occur. The product should be stored between 5°C and 40°C and the shelf life is at least 18 months if this condition is observed.

Protect from frost.

Packaging

30 kg drums
200 kg baskets
1000 kg tanks

Material safety

Consult the Safety Data Sheet



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