



Carbosan 7240

Chemical description

Mixture of isothiazolinones

Main use

Antimicrobial preserving agent for the ceramic industry.

Typical values

Appearance at 20°C: Clear liquid transparent to yellowish

Properties

CARBOSAN 7240 it's a preservative for carboxymethyl cellulose and/or organic binder derivatives; it prevents glazes' viscosity changes during storage, especially in the hot season in which bacteria activity is particularly high.

CARBOSAN 7240 can be added directly in the mill during the glaze's grinding phase or in the slow mixing tanks after mill's upload, or again the mother CMC-binder solution prior to the addition in the tanks.

This product's main advantages are:

- Absence of unpleasant smell
- Wide operating range
- High dispersion capabilities tank to its high solubility
- Absence of foam

CARBOSAN 7240 can be also implemented to treat industrial waste waters from bacteria attack.

Applications

The problem of enzymes

Bacteria, moulds and yeasts effect their degradation action by means of secretion of enzymes, proteins that form their "gastric juices". If these microorganisms grow before the proper biocide is used, it is possible that even after their disappearance the enzymes are still present and active. In this case rapid effects will be observed (for instance glaze slips losing in a few hours their viscosity), and the addition of the preserving agents will have no effect. If this event occurs, the solution is just to clean the plant, the pipelines and the tanks and use a high percentage of CARBOSAN 7240.

Normally, CARBOSAN 7240 must be added directly into the mill, but it is possible also in the glaze storage tanks or directly to the mother solution of CMC.

Other advantages are:

- Remarkable mixing velocity due to its good solubility;

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- Absence of foam.

The application dosages depend on the kind of material to preserve, on the nature of the infections and on the wanted shelf life. As a guideline the following percentages can be adopted:

CARBOSAN 7240 0.05 - 0.15%

For the periodical reclamation of basins, tubes, pumps, mills, etc., the dosages must be doubled.

In general biocides show two action levels: at low dosages a biostatic effect occurs, that is the growth inhibition of the micro-organisms, while at higher dosages a biocide effect occurs, that means a complete disinfection from contaminants.

Therefore it is more convenient to use day by day a medium-low dosage, while with a frequency which, according to the requirements may be weekly, monthly or seasonal, it is right to proceed with a complete disinfection with a high dosage.

Storage and handling

Avoid contact with skin and eyes.

Exercise the greatest care when handling or opening the container.

Use localized ventilation system.

Do not use empty container before they have been cleaned.

Before making transfer operations, assure that there are not any incompatible material residuals in the containers

In order to maintain the performance of the product, store at room temperature and protect from frost.

Always keep in a well ventilated place.

The shelf life is at least twelve months if this conditions are observed.

Packaging

1100 Kg tanks.

25 Kg drums.

Material safety

Consult the Safety Data Sheet