

PREVENTOL® P 91

Preservative for water-based technical preparations



Chemical basis:

Aqueous formulation based on bronopol and a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Characteristics:

| | |
|------------------|---|
| Appearance: | colourless to light yellow liquid |
| Solubility: | water-miscible in any proportion |
| Density (20 °C): | approx. 1.0 g/cm ³ - 1.1 g/cm ³ |
| pH (original): | approx. 3 - 4 |

Shelf-life / Packaging:

12 months if stored properly (+2°C to +40°C, in original tightly sealed drums and containers)
Drums of 25 or 200 kg, containers of 1100 kg

Application:

PREVENTOL® P 91 is a VOC-free preservative, which protects glaze and body slurries prepared with organic swelling and binding agents against bacterial attack, thus allowing to store them for an extended period of time.

Owing to the active substance combination contained in PREVENTOL® P 91, this preservative has a broad and balanced spectrum of activity against bacteria, fungi and yeast, hence reducing an undesired adaption tendency. It is suitable for slurries of a pH ≤8.5 and can be processed at temperatures of up to 45°C.

The required addition quantity depends on the operating conditions and ranges between 0.05 and 0.25% related to the total slip quantity. The necessary amount of this biocide to be added can be optimised by complementary hygienic measures during production, storage and transport of the products to be protected.

Additional information:

Based on legal regulations, the following classification / labelling of preparations (e.g. glaze, engobe, body...) is required when biocide products, which contain a mix of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CIT/MIT 3:1) are used in Europe:

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.

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- > 1.4 ppm related to the active matter CIT/MIT 3:1
Corresponds to the use of > 0.014% PREVENTOL® P 91, related to the total weight of the preparation):
Labelling with EUH 208: „Contains 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.“
- > 14 ppm related to the active matter CIT/MIT 3:1
Corresponds to the use of > 0.14% PREVENTOL® P 91, related to the total weight of the preparation):
Classification according to Directive (EG) No. 1272/2008 with Skin sens. 1; H 317
„May produce an allergic skin reaction“; Labelling with pictogram GHS 07 („exclamation mark“) and signal word „Attention“.

The current material safety data sheet must always be respected, since it contains further indications regarding labelling, first-aid-measures, transport and storage, as well as important information on handling, product safety, toxicity and environmental behaviour.

The use of PREVENTOL® P 91 is subject to national regulations of each individual country. For this purpose, please contact us by e-mail to Keramik@zschimmer-schwarz.com for further information on the national approval in your country.

USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION CAREFULLY BEFORE USE.

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