



EPA Registration No. 5383-134
Product Code: 20114

TROYSAN® CP20

Industrial Microbicide

Description

Troysan® CP20 is a powdered industrial microbicide effective against a wide variety of fungal organisms.

Application & Use

Troysan CP20 may be used as a fungicide for joint cement compounds, caulks, cements, sealants, plastics and coatings.

Product Highlights

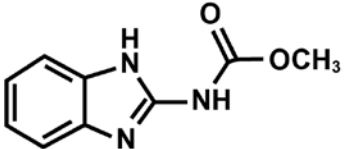
- Zero VOC
- No surfactants
- Contains no heavy metals
- High temperature stability
- Highly stable under high alkaline conditions

Physical Properties

The following are typical properties of Troysan CP20; they are not to be considered product specifications.

Appearance: Off-white powder
 Specific Gravity, 25°C:..... 1.2
 Odor..... Characteristic
 Solubility Insoluble in water and organic solvents

Active Substance

20%	Methyl 1H-benzimidazol-2-ylcarbamate	 <p>BCM C₉H₉N₃O₂</p>
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Antimicrobial Activity

Fungi	MIC (ppm)	Fungi	MIC (ppm)
<i>Alternaria alternata</i>	> 1000	<i>Gliocladium virens</i>	5
<i>Aspergillus niger</i>	37	<i>Penicillium glaucum</i>	2.5
<i>Aureobasidium pullulans</i> - ATCC #9348	1.5	<i>Phialophora fastigiata</i>	2.5
<i>Ceraocystis pilifera</i>	2.5	<i>Sclerophoma pityophila</i>	2.5
<i>Chaetonium globosum</i>	2.5	<i>Trichoderma viride</i>	7.5
<i>Cladosporium cladosporioides</i>	2.5	<i>Sporobolomyces roseus</i>	7.5

*Minimum inhibitory concentration (MIC) is an indication of which microorganisms can be controlled by a preservative and the concentration at which growth of the test organism is inhibited under laboratory conditions. MIC values are expressed in parts per million (ppm). The lower the MIC value in ppm, the greater the product's effectiveness. MIC values should only be used for relative comparisons. Practical use concentrations are generally much higher and should be established through field tests and actual use.

Function/Activity

	% Wt/Wt
Cement/ypsum board	0.05 – 1.5
Plastic (PVC)	0.5 – 1.5
Adhesives, caulks & sealants	0.05 – 1.5
Joint cements.....	0.05 – 1.5

Formulation Considerations

Joint Cements

Troysan® CP20 may be used in joint cements to control fungal growth at concentrations of 0.05 – 1.5%. It should be added to the powder portion to obtain the desired concentration and thoroughly mixed to assure uniform distribution of the biocide in the matrix. It is recommended that biocide levels be checked periodically to assure the proper dosage and uniformity of distribution.

Caulks & Sealants

For use in caulks and sealant applications, the biocide levels of 0.05 – 1.5% Troysan CP20 is suggested depending on the type of protection required, severity of end use conditions and the duration of protection required. All products should be field tested in order to insure that an effective level of Troysan CP20 is being used.

Cement

Troysan CP20 may also be used in cement and related applications at a rate of 0.05 – 1.5%. Troysan CP20 is especially suitable for this application as most commercially available biocides rapidly degrade under the highly alkaline conditions. Troysan CP20 should be added with thorough mixing to assure uniform distribution in the formulation.

Silicone Sealants

Troysan CP20 may be used to control fungal growth in silicone and non-silicone sealants at a level of 0.05 – 1.5% on formula weight. Troysan CP20 is especially suitable for both low pH and high pH formulations as compared to most commercially available biocides. Troysan CP20 should be added to the liquid portion of the sealant and mixed thoroughly to assure uniform distribution of the biocide in the end formulation.

Plastic (PVC)

For use in non-food applications, such as: wood composites, piping and gaskets. Troysan CP20 should be added with thorough mixing to assure uniform distribution in the formulation.

Shipping & Packaging

Troysan® CP20 is packaged in:

Shipping Container	Net Weight
Drum	40 lbs. / 18 kg
Drum	450 lbs. / 204 kg

Product Safety & Additional Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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