



NT-12S 抗菌剂

抗菌机理及显著特点

Antibacterial mechanism and outstanding features

NT-12S 是基于异噻唑啉酮类的三合一水性耐高温抗菌防腐剂, 本品专用于真石漆涂料, 刺激性低, 对水中常见的细菌, 真菌和酵母菌有效, 在低添加量下能有效防止微生物侵扰。与水混溶性好, 不产生泡沫、不易燃、毒性低; 环境中易分解, 不会对环境造成累积污染。

NT-12S is a three-in-one water-based liquid high-temperature resistant antibacterial preservative combining isothiazolinone, this product is dedicated to the natural stone paint. With low irritation, non-formaldehyde, it is effective for common germs, fungus and saccharomycetes in water. With low additive amount, it can effectively prevent microbial infestation. With good water miscibility, it will not scum and is nonflammable with low toxicity; in addition, it is easy to be decomposed in the environment and will not cause accumulated pollution to the environment.

理化指标

Physical and chemical indicators

活性组份 Active constituent	异噻唑啉酮 isothiazolinone
外观 Appearance	淡蓝色透明液体, 轻微特征气味 faint blue clear liquid, with slightly characteristic odor.
PH (25°C)	3.5 ± 1.5
密度(20°C, g/cm ³) Density (20°C, g/cm ³)	1.10 ± 0.10
溶解性 (25°C) Solubleness (25°C)	溶解于水、低分子醇和乙二醇等 Completely soluble in water, low molecular alcohol, ethanediol, etc.

包装规格

Packing specification

本品制式包装为 25kg 和 IBC 塑料桶, 也可根据用户需要采用包装。在避免阳光直射和常温下保质期为 12 个月, 生产日期同批号。

The product is packed with 25kg and IBC plastic bucket and special packing can be adopted as required by users. The shelf life is 12 months under normal temperature when the product is protected from direct sunlight. The production date is the same as the batch No.

使用说明

Instructions

建议添加 1-5%, 使用量要视不同种类的乳液和不同产品的保护需求而定, 同时也受不同微生物侵染程度的影响。根据不同产品不同情况用量宜相应调整; 使用前, 注意体系的 PH 值, 并避免体系残存还原性物质和亲核物质。我公司检测中心可帮助客户试验得出特殊配方下的建议添加量。



上海鹏图抗菌新材料有限公司

Shanghai PengTu Antibacterial New Materials Co., Ltd.

产品名: NT-12S

编制日期: 20.04.2023

It is suggested to add 1-5%. The application amount is determined according to different types of emulsions and protection requirements of different products and influenced by infestation of different microorganisms. The application amount shall be accordingly adjusted according to different products as the case may be. Prior to application, PH value of the system shall be noticed to avoid residual reducing substances and nucleophilic substances in the system. The Detection Center of the Company will help clients to obtain recommended additive amount of special formula through testing.

最小抑菌浓度 (MIC/ppm)

Minimal inhibitory concentration (MIC/ppm)

金黄色葡萄球菌 Staphylococcus aureus	200	绿脓杆菌 Pseudomonas aeruginosa	200
恶臭假单胞菌 Pseudomonas putida	190	大肠杆菌 Escherichia coli	250
荧光假单胞菌 Pseudomonas fluorescens	250	白色念珠菌 Candida albicans	400
青霉菌 Penicillium	600	黑曲霉 Aspergillus niger	600

注意事项

Notes

个人防护: 本品应避免与眼睛直接接触! 一旦接触, 应立即用大量清水冲洗, 不可延误! 不可与皮肤长时接触。人工操作应配戴防护眼镜和防酸手套。

Personal protection: The product shall not directly contact eyes! In case of contact, eyes should be washed with a lot of clean water without delay! In addition, the product shall not contact skins for a long time. Protective glasses and acid-proof gloves shall be worn during manual operation.

储存方式: 本品贮存过程中不可与还原性金属接触 (如金属铁、铝等), 不可与氧化、还原性物质接触。

Storage method: During storage, the product shall not contact reducing metals (such as metallic irons, aluminums, etc.), oxidation and reducing substances.