



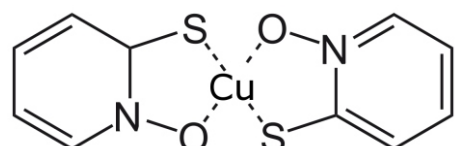
Copper Pyrithione

Description:

Copper Pyrithione Cu Powder is a light green crystalline type Fine Powder. It exhibits pronounced growth inhibiting activity against a broad spectrum of both Gram negative and Gram positive bacteria. Inhibits the growth of fungi, both yeast and mold. It is insoluble in water and inhibits the growth of algae. It is used as a marine antifouling agent. It is used in marine paints when a more gelling resistant antifoulant is required.

Features:

Copper pyrithione is intended to be used as a co-biocide (booster biocide) by both professional and non-professional users in antifouling products (PT 21) against marine fouling species. It is meant to be effective against soft-fouling organisms, so its function is to increase the efficacy of the product in order to remove the most problematic fouling organisms.



Packaging Details

5 Kg / 25 Kg paper bags with two inner liner

Shelf Life

24 months from production date when stored at approximately 30°C

Storage

Material should be stored in an enclosed area and away from direct sunlight and heat. Protect from extremes of temperature.

Technical Specification:

Composition:	Micronised fine powder
Appearance:	Olive green coloured Powder
Odour:	Nearly odourless to Mild
Copper pyrithione:	95% Min
Density:	1.8106 at 22.5°C
Solubility:	Sparingly soluble in water 4.93 mg l-1 at 20.0°C; 6.11 mg l-1 at 30.0°C, Slightly improved solubility in organic solvents
Stability in product:	Light Stable, stable in the pH range 6-8

Antimicrobial efficacy: Copper Pyrithione Cu Powder possesses a broad spectrum of antifungal and Antialgal activity against all fungi and algae including following relevant organisms. This product can restrain and sterilize eight moulds, five bacteria, as well as two yeast fungus which are distillery yeast and bakers' yeast. It's MIC to various micro-organisms as follows:

Microorganisms	MIC(PPM)	Microorganisms	MIC(PPM)	Microorganisms	MIC(PPM)
Aspergillus niger	20	Cladosporium	6	Escherichia coli	8
Aspergillus flavus	20	Trichoderma viride	8	Pseudomonas fluorescens	18
Aspergillus	18	Chaetomium globosum	6	Staphylococcus aureus	6
Penicillium citrinim	8	Bacillus subtilis	8	Saccharomyces cerevisiae	6
Pacillomyces varioti	8	acillus megaterium	6	Klocckeria Janke	8

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Copper Pyrithione

Application and Recommended Dosage: Copper Pyrithione Powder is a highly effective antifouling Agent for the control of hard fouling marine organisms such as seaweed and bacterial and diatom slimes. CPT is mainly used in anti-fouling marine paint, building coating, metal processing and pesticide fields. CPT and its like products have tremendous potential and broad space in pesticide field with properties of high-efficiency; environmental protection, hypo toxicity and broad-spectrum. It can be used in antifouling coatings to be applied on the underwater part of ship and boat hulls or static marine structures.

Benefits:

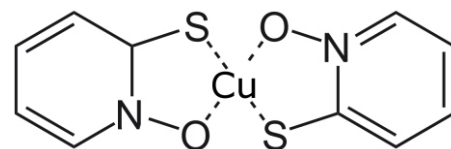
- Broad spectrum antimicrobial
- Excellent heat and pH stability
- No VOCs
- Low water solubility = low leach rate = long term protection
- Extensively tested toxicology and environmental profile
- Normal addition levels are in the range 2 to 4 % by weight (on total formula, wet paint).

Handling of Copper pyrithion e Cu Powder: To avoid contact with eyes, skin and clothing. Upon contact with skin or eyes, wash off with water and seek medical advice. Remove contaminated clothing immediately and launder before re-use. Avoid all sources of ignition. Keep in dry & cool place and avoid direct sunlight.

Addition and compatibility: Chemical Stability and Compatibility

- Stable under ordinary conditions of use and storage
- Strong oxidizing agents to be avoided
- Tendency to self ignite above 80 Deg C.

Spillage/Disposal: Collect Spillage. Dispose of contents/container in accordance with local regulation



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