

TECHNICAL SHEET

ATC® ACTYBIO A5ZOD

Fungicide/Algicide

ATC®ACTYBIO A5ZOD It's a broad spectrum biocide, highly effective in preserving products against deterioration by fungi, yeasts, algae, bacteria and resistant to leaching. Biocide based on a Pyrithione derivative specially developed to prevent the possible appearance of colour changes in the products applied and to prevent the preservation of the dry film from the development of mould and algae for a longer period of time.

ATC®ACTYBIO A5ZOD is a combination of three active ingredients. As our product contains 3 active ingredients of different leaching degrees, together they allow the dried paint film to be protected from the initial stage after drying, where there is a higher incidence of fungi on the film, and after a period of time exposed to the elements. The basic concept of ATC®ACTYBIO A5ZOD complements the long-lasting slow leaching and low water solubility properties of ACTYBIO Zinc with a secondary, more water-soluble fungicide. ATC®ACTYBIO A5ZOD also contains a supplemental algaecide.

As an algaecide, it acts with a broad spectrum, effective against marine and freshwater algae, acting by interrupting the photosynthetic transport of electrons, preventing photosynthesis and algae reproduction. Especially indicated for environments conducive to the development of algae, coastal environments, very humid.

Composition

ATC®ACTYBIO A5ZOD is an aqueous dispersion of the zinc pyrithione complex, i.e. 2-pyridinethiol-1-zinc oxide, commonly known as zinc pyrithione, 3-(3,4-dichlorophenyl)-1,1-dimethylurea and 2-octyl-2H-isothiazol-3-one.

Application

The dose of ATC®ACTYBIO A5ZOD to be used will depend on several factors, such as the susceptibility of the product to contamination and the required storage time.

The product is particularly effective as a unique active dry film preservative for:

- Architectural and industrial paints and coatings (including marine and antifouling coatings);
- Construction materials, including flooring adhesives, caulks, sealants, grouts and joint compounds;
- Building materials, including roofs, tiles, walls and internal partitions;
- Stains, varnishes and wood protectors.
- Rubbers and thermoplastic resins;

Properties:

Appearance at 25°C:	Liquid
pH at 25°C:	8.0 to 11.0
Stability:	Heat stable and non-volatile. Stable under normal operating conditions storage.

Microbiological activity

ATC[®]ACTYBIO A5ZOD, in accordance with current standards, showed excellent efficacy against microorganisms such as Gram positive/Gram negative bacteria, fungi and algae.

Required doses

The concentration required to adequately preserve your product depends on several factors. This includes the susceptibility of the system to microbiological degradation, the degree to which microorganisms can gain access, the species involved, pH, temperature, and the length of time for which protection is required.

Below are some suggested doses, considering some of the possible applications and suggested concentrations for testing.

The ideal dosage must be determined through prior laboratory tests and depends largely on the type of product to be applied:

Products Suggested concentrations% (w/w)

Emulsion Paints 0.30 – 2.50

Wood stains 0.30 – 2.50

Construction materials 0.30 – 2.00

Caulking, adhesives 0.30 – 2.00

For more information contact the Technical and Microbiological Department of ATC do Brasil.

Packaging, handling and storage

ATC[®]ACTYBIO A5ZOD is sold in 50 kg drums, 200 kg drums and 1000 kg IBCs.

Store in original packaging, protected from ultraviolet radiation and at temperatures between 10° and 40° C. For more information on safe handling of the product and suitable materials for its handling, consult the FISPQ.

Incorrect handling of the ATC[®]ACTYBIO A5ZOD may be harmful to persons involved. Carefully follow all safety recommendations listed on the emergency form accompanying the invoice and the MSDS.

Information

For more information about this product or other ATC do Brasil products, please contact our sales department at +55 51 3561 0206, email: comercial@atcdobrasil.com.br or visit our website at www.atc.fr

* Use biocides with care. Always read the label and product information before use.

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