

## TECHNICAL SHEET

# ATC® ACTYBIO A405RS

Preservative/Bactericide

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**ATC® ACTYBIO A405RS** It is a high-performance preservative with a multi-synergistic composition, indicated for the protection of water-based products. It promotes the protection of products susceptible to deterioration by bacteria, yeasts and fungi inside storage packaging. Stable in more alkaline aqueous media and helps in the shelf-life of the applied product.

### Composition

ATC® ACTYBIO A405RS is composed of a blend of isothiazolinones, CMIT/MIT and 1,2-Benzisothiazolin-3-one and Hemiacetal.

### Application

**ATC® ACTYBIO A405RS** It has a broad spectrum of action and can be used to preserve paints and coatings, adhesives, polymer emulsions, plasters, slurries, additives, oils, pigment dispersions and ceramic enamel. Its active components provide excellent protection for “in-can” preservation of real estate paints, emulsions and water-based products, as they are highly efficient against the microorganisms responsible for this degradation and due to its dispersion in the product, it acts homogeneously on the packaging, always providing complete protection, regardless of sedimentation or phases that may be formed.

Provides comprehensive, fast and effective protection against bacteria, fungi and yeasts without affecting the physical properties of the final product.

### Required Dosages

Initial results indicate that the concentration of ATC® ACTYBIO A405RS should be sufficient in the proportion of 0.05 to 0.15%, this dosage applies to most applications. Since the effective concentration depends on several factors, we therefore recommend that compatibility tests, stability tests and the microbiological test “Challenge test” should be carried out before use.

ATC® ACTYBIO A405RS has a specific mode of action, which means that bacterial resistance is very unlikely to occur.

ATC's Technical and Microbiological Department can help determine the exact concentration needed for a specific application.

### Properties

Appearance at 25°C

Physical form:

pH

Stability

Compatibility

Beige dispersion, blend of Isothiazolinones and Hemiacetal.

Liquid

2.0 - 6.0

Stable under normal storage conditions.

Incompatible with alkali products and some oxidants, for example, persalts and sulphites.

## Microbiological activity

ATC® ACTYBIO A405RS, in accordance with current standards, has shown excellent efficacy against the main microorganisms that degrade aqueous systems. Its broad spectrum of action includes:

Bacteria	Fungi	Yeasts
Alcaligenes faecalis Achromobacter parvulus Bacillus subtilis Burkholderia cepacia Enterobacter cloacae Escherichia coli Proteus vulgaris Pseudomonas aeruginosa Pseudomonas alcaligenes Pseudomonas cepacia Pseudomonas putida Pseudomonas stutzeri Staphylococcus aureus Streptococcus faecalis	Aspergillus niger Aspergillus oryzae Penicillium funiculosum Candida albicans	Endomycopsis albicans Rhodotorula rubra Saccharomyces cerevisiae

## Compatibility

ATC® ACTYBIO A405RS is compatible with most of the raw materials and aqueous products susceptible to microbiological contamination.

It can be added at any time during production. However, it is recommended to add the ATC® ACTYBIO A405RS in the early stages of manufacturing, for protection throughout the production process.

The compatibility of the ATC® ACTYBIO A405RS with the application should always be evaluated before use.

Care must be taken to ensure that the temperature, pH and redox potential at the point of addition are suitable for product stability.

Our technical department is available for further guidance.

## Packaging, handling and storage

ATC® ACTYBIO A405RS It is sold in 30 kg and 50 kg drums, 200 kg drums and 1000 kg IBCs.

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

Incorrect handling of the ATC® ACTYBIO A405RS may be harmful to those involved. Carefully follow all safety recommendations indicated in the emergency form, which accompanies the invoice and MSDS.

## Information

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

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

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