

TROYSAN® 1050

Dry-Film Preservative

Paints & Coatings/US

EPA Registration No.: 5383-135

Troysan® 1050 is a water-based product designed to inhibit the growth of bacteria on painted surfaces.

Application & Use

Troysan® 1050 provides long-term antibacterial protection in interior paints, adhesives, sealants, and caulks. It is particularly useful as an antibacterial as it impart bacterial resistance to paint surfaces to reduce the average bacteria counts.

This product is suitable for systems with a pH of 3 - 13 and at a temperature up to Up to 200°C.

Product Highlights

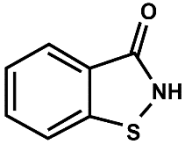
- Imparts antibacterial effect to coatings
- Reduces bacteria counts on coated surfaces
- Zero VOC

Physical Properties

The following are typical properties of Troysan® 1050; they are not to be considered product specifications.

Appearance:	Off-white dispersion
Specific Gravity, 25°C:	1.2 - 1.3
pH (as is)	7.6
Viscosity, 25°C	500
Solubility	Very slightly soluble in cold water and hot water
Density (kg/L)	1.24

Active Substance

10.0%	1,2-Benzisothiazolin-3(2H)-one	BIT	 <p>BIT C₇H₅NOS</p>
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Function/Activity

The following suggested use levels are based on laboratory tests and are typical for the applications indicated. The actual level required for your system is formulation specific. The selection of the individual components of the formulation, the substrate to be coated, and the environment in which the coating will be exposed all have an influence on the amount of protection needed. Suggested use levels are reported as percentage of the end-use product.

Paint and Coatings

Troysan® 1050 has been shown to offer excellent control of surface bacteria on coatings. Troysan® 1050 should be added with good agitation at the end of the manufacturing process.

Adhesives, Caulks, and Sealants

Troysan® 1050 has been shown to be an excellent control of surface bacteria on adhesives, caulks, grouts, and sealants. It should be added with good agitation at the end of the manufacturing process.

Function	% Wt/Wt
Adhesives	0.50 - 0.75%
Home Cleaning Product/Laundry Additives	0.50 - 0.75%
Interior/Exterior Coatings	0.50 - 0.75%
Caulks/Grouts/Sealants	0.50 - 0.75%
Pigment Dispersions	0.50 - 0.75%

Formulating Considerations

The active ingredient in Troysan® 1050 is stable between pH 3-13 and at temperatures up to 200°C. The active ingredient is also typically stable in the presence of reducing agents, but can degrade on exposure to oxidizers. Check compatibility when developing new products that require protection. For further assistance, please contact your Arxada representative.

Due to various possibilities of application and different methods of processing, it is advised to check compatibility in the development of new products. Contact your Arxada representative for assistance.

Shelf-life is 24 months from date of manufacture.

Packaging

Troysan® 1050 is packaged in:

Package Type	Net Weight
Large Drum	785 lbs / 356 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 label.



For more information visit:
www.arxada.com

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