

Mergal® 758 is an aqueous preservative used to control the growth of bacteria and fungi. The preservative is a zero VOC and formaldehyde-free dispersion containing globally approved active ingredients.

Application & Use

Mergal® 758 was designed specifically for broad-spectrum protection of aqueous systems requiring zero VOC and formaldehyde-free preservation. Mergal® 758 is also ideal for applications in which a non-alkaline wet-state preservative is desired.

This product is suitable for systems with a pH of 3 - 9 and at a temperature up to 60°C.

Product Highlights

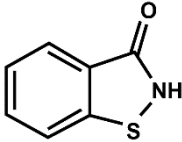
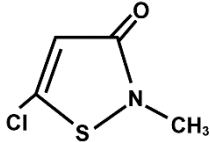
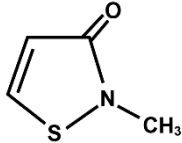
- Fast-acting and long-lasting
- Zero VOC, formaldehyde-free, globally accepted active ingredients
- Non-ionic and APE-free dispersion
- Favorable regulatory profile globally
- Label-free in EU at up to 0.2%

Physical Properties

The following are typical properties of Mergal® 758; they are not to be considered product specifications.

Appearance:	Off-white to brown
Specific Gravity, 25°C:	1.05 - 1.1
pH (as is)	3.0 - 4.0
Viscosity, 25°C	2000
Solubility	Water soluble
Freeze Point	-20°C

Active Substance

10.1%	1,2-Benzisothiazolin-3(2H)-one	BIT		BIT C ₇ H ₅ NOS
0.5%	5 Chloro-2-Methyl-4-isothiazolin-3-one	CMIT		CMIT C ₄ H ₄ ClNOS
0.2%	2-Methyl-4-isothiazolin-3-one	MIT		MIT C ₄ H ₅ NOS

Function/Activity

Mergal® 758 is an in-container preservative effective against bacterial and fungal contamination. It is typically added at a rate of 0.05% - 0.50% by weight of the final product. The level required to protect any particular system depends on a variety of factors, including the initial level of microbiological contamination, the components of the system, the likelihood of exposure to repeat microbiological intrusions, residual reducing and oxidizing agents, and the temperature and pH of the system. Suggested use levels should be verified by field trials and are reported as percentage of the end-use product.

Function	% Wt/Wt
Polymer Emulsions	0.05 - 0.50%
Emulsion Paints	0.05 - 0.50%
Mineral Slurries	0.05 - 0.50%
Latices	0.05 - 0.50%
Adhesives	0.05 - 0.50%
Paper Coatings	0.05 - 0.50%
Metalworking Fluids	0.05 - 0.50%
Textile Finish	0.05 - 0.50%
Construction Compositions	0.05 - 0.50%
Inks & Leather Processing Solutions	0.05 - 0.50%

Formulating Considerations

Mergal® 758 is a dispersion product and is best added to the let down stage of the manufacturing process. Mergal® 758 can be added early in the production process but the compatibility needs to be checked. If high temperatures (>60C) or highly alkaline (>9) pH values are expected during production, the product should be added after these conditions are controlled. The presence of strong oxidizing or reducing agents may result in the degradation of the actives.

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 12 months from date of manufacture.

Packaging

Mergal® 758 is packaged in:

Package Type	Net Weight
Pail	44 lbs / 20 kg
Large Drum	463 lbs / 210 kg
Tote	2205 lbs / 1000 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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