



Swiss antimicrobial expertise  
since 1935

# TECHNICAL INFORMATION

## Sanitized® MB E 19-71

### Additive for textile and/or plastics industry

<b>Fields of Application</b>	Sanitized® MB E 19-71 is suitable for the use in most thermoplastic polymers such as PE, PP, TPU, TPE, EVA, PVC, rubber (EPDM, NBR, SBR) that are generally used in extruded or injection moulded articles.	Examples: <b>Household and sanitary articles</b> such as brooms, brush bristles and handles, sealings, boards, films, sponges, containers, appliances and equipment, phones, toilet seats, bathtubs, sinks, etc.  <b>Clothing</b> such as shoe insoles, etc.  <b>Industrial applications</b> such as filters, sealings, ropes, packaging, gaskets, films, housings, etc.
Sanitized® MB E 19-71 may not be used for items having direct food contact, toys or baby articles.		
<b>Mode of Action and Advantages</b>  Articles protected with Sanitized® MB E 19-71 have a good skin tolerance. The product does not contain phthalates, arsenic, cadmium, TBT, mercury or lead.	The active substances of Sanitized® MB E 19-71 have a reliable effect against many microorganisms: <ul style="list-style-type: none"><li>– Gram-positive and gram-negative bacteria</li><li>– Yeasts</li><li>– Algae</li><li>– Fungi and mold</li></ul> Its activity on the cell disrupts the metabolic process of micro-organisms and thus inhibits their ability to function, grow and reproduce.	<b>Advantages:</b> <ul style="list-style-type: none"><li>– Highly effective and durable protection against bacterial, fungal and algae attack</li><li>– Prevents microbial caused odors</li><li>– Reliable material protection</li><li>– Good resistance to water, weathering and light exposure</li><li>– Articles protected with Sanitized® MB E 19-71 have a good skin tolerance.</li><li>– Ready-to-use, easy to dose</li></ul>

#### SANITIZED AG

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## Characteristics

Composition	Thiabendazole and N-Butyl-benzisothiazolinone in EVA
Commercial form	20 kg drums
Appearance	Creamy to beige pellets
Handling	Wear gloves and eye protection. Please refer to the Safety Data Sheet for further information.
Ecology	It does not contain arsenic, cadmium, TBT, mercury or lead.
Density at 20 °C	0.940 g / cm <sup>3</sup>
Skin tolerance	Articles protected with Sanitized® MB E 19-71 have a good skin tolerance.
Temperature stability	Sanitized® MB E 19-71 can still be processed even at high temperatures of around 300 °C. Nevertheless, we recommend running trials in order to confirm the stability at processing temperatures above 250 °C.
Compatibility*	Compatible with most additives used in the plastic industry such as stabilizers, antistatic products, fillers, pigments, optical brighteners, UV absorbers, etc. The active substance N-Butyl-benzisothiazolinone is incompatible with thiols, bleach and metabisulphites.
Fastness*	Good resistance to water, weathering and light exposure.

\*These statements concerning the compatibility and fastness of the additive are indications of the common uses known to us for the use of our product and reflect the current state of our knowledge. Specific performance parameters for finished material must, in each case, be evaluated by the user before commercial application.

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## Registration Status

EU BPR	The active substances are supported under the BPR for the relevant product type (PT). The biocidal product Sanitized® MB E 19-71 will be supported by SANITIZED AG under the EU's BPR (the availability needs to be checked on request for each member state).
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## Application

Concentration	1.0-3.0 % of Sanitized® MB E 19-71 relative to the total weight of the material to be protected.  For direct prolonged and intense light exposure applications, the usage of UV stabilizers is recommended (e.g. from the benzotriazole product family such as 2-(2H-Benzotriazol-2-yl)-4,6-bis(2-phenyl-2-propenyl)phenol; CAS Nr: 70321-86-7).
Dosage equipment	Volumetric or gravimetric dosing units, side extruders or tumblers are recommended.
Temperature	Sanitized® MB E 19-71 can still be processed even at high temperatures of around 300 °C. Nevertheless, we recommend running trials in order to confirm the stability at processing temperatures above 250 °C.
Processing	Extruders as well as injection molding machines. Confirm that the granules are molten and homogeneously distributed in the polymer to be protected.
Injection molding	The influence of Sanitized® MB E 19-71 on mechanical and physical properties of the end article has to be checked.

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<b>Microbiological Tests</b>	In order to check the antimicrobial effectiveness of the treated materials the following test methods are recommended:	
	Agar diffusion	Bacteria, mold fungi, mildew, yeasts
	Germ count test	Bacteria
	Test for mildew resistance	Mold fungi, mildew
	Algae test	Algae
Further information on these test methods is available from your local representative.		
<b>Sanitized® Quality Seal</b>	With a simple license agreement, we transfer the rights to use the Sanitized® Ingredient Brand to you. Only substrates corresponding with the SANITIZED standard can carry the Sanitized® Quality Seal.	
Trademark	Please ask for the complete SANITIZED documentation.	

### Storage/Handling

Storage stability	Please refer to the expiry date specified on the packaging.
	Storage best between 5 °C to 30 °C and protected from direct heat sources or from prolonged light exposure.
	Further safety and ecological details are given in the Safety Data Sheet (SDS).
	Use biocides safely. Always read the label and product information before use.
Storage stability	Please refer to the expiry date specified on the packaging.

Sanitized® is a trademark which is registered in numerous countries. All statements in communications regarding the technical application of our products refer to the possibilities for their use, as known to us, and reflect the current state of our knowledge. Due to the numerous possible application variations in the industrial practice and the necessarily limited number of application examples that have been prepared, this information is given without obligation or liability of any kind on our part.

Safety data and instructions can be obtained either from the technical information about our products or are available on request. Before every application of this product it must first be ensured whether its intended use conforms to legal requirements, whether an official notification or registration is required, that there are not undesired effects in the application of the products or use of the treated material and whether any special precautions have to be taken for the protection of the plant personnel or the environment.

Claims must follow the statutes and regulations of the country in which an item treated with a Sanitized® product is placed into circulation; the possible non-binding wording for such claims is found on our homepage. The party using a claim must ensure the permissibility of the claim in each specific individual case. SANITIZED AG is not liable for claims, which are made with reference to treated items.

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