

TECHNICAL INFORMATION

Sanitized® PL 19-30

Additive for textile and/or plastics industry

Fields of Application	Antimicrobial protection for technical textiles, foams and coatings with direct skin contact. Sanitized® PL 19-30 is suitable for the use in most coating manufacturing processes common like padding, dipping or blade coating.	Examples: Furnishing materials: Upholstery foams for mattresses, furniture and pillows Household articles: Bath and kitchen sponges and other cleaning articles Clothing: Artificial leather, gloves, shoe insoles Furniture materials: Artificial leather (e.g. seat covers), mattress covers Technical applications: PU foams, paper applications
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Sanitized® PL 19-30 may not be used for items having direct food contact, toys or baby articles.

Mode of Action and Advantages Substrates protected with Sanitized® PL 19-30 are noted for their excellent skin tolerance and are safe for man and environment.	Sanitized® PL 19-30 has a reliable and durable antimicrobial effect against many gram-positive and gram-negative bacteria, yeast and fungi. The integrated hygiene protection prevents microbial caused odors. Its activity disrupts the metabolic process of microorganisms and thus interrupts their ability to function, grow and reproduce.	Advantages: _ Highly effective protection against gram-positive and gram-negative bacteria, yeast and fungi _ Broad antimicrobial spectrum _ The integrated hygiene function prevents formation of unwanted odors caused by microbes. _ The integrated material protection prevents unsightly mold stains and microbial caused material destruction. _ Durable effectiveness _ Water-based formulation, free from organic solvents, without AOX _ Ready to use _ Easy to dose _ Free from arsenic, cadmium, TBT, mercury and lead.
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Characteristics

Composition	Liquid formulation with sodium pyrrithione and thiabendazole
Commercial form	25 kg jerry cans, 200 kg drums and 1000 kg containers
pH value (20 °C)	9.5 The product is stable at typical pH values (4-10).
Viscosity	10 rpm at 20 °C 200-2500 mPa.s-1 with CP 50
Appearance	Water-based creamy white dispersion
Odor	Weak, characteristic
Density at 20 °C	1.05
Ecology	It does not contain phthalates, arsenic, cadmium, TBT, mercury or lead.
Skin compatibility	Substrates protected with Sanitized® PL 19-30 are noted for their proven, skin tolerance.
Compatibility*	The compatibility and stability must be checked in specific formulation by the user in each case.
Temperature stability	Stable under typical processing conditions. The stability must be checked in specific formulation by the user in each case.

*These statements concerning the compatibility and fastness of the finish 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.

Application

Application type	The product is preferably added to the coating solution before it is applied. For 2K foam application the product is added to the polyol before the foaming process. An absolutely homogeneous incorporation into the material is essential for a good antimicrobial effectiveness.
Concentration	0.5-1.5% of Sanitized® PL 19-30 relative to the total weight of the material to be protected.
Processing	Mixtures with Sanitized® PL 19-30 can sediment if the mixture stands for several hours without being stirred. We therefore recommend that these mixtures be homogenized before use. A film covering of the product can easily be removed by stirring and does not affect the quality and performance of the product.

Registration Status

EU BPR	The active substances are supported under the BPR for the relevant product type (PT). The biocidal product Sanitized® PL 19-30 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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Microbiological Tests	To check the antimicrobial effectiveness of the treated materials the following test methods are recommended:						
	<table> <tr> <td>Agar diffusion test</td><td>Mold fungi, mildew, yeast and bacteria</td></tr> <tr> <td>Germ Count Test</td><td>Bacteria</td></tr> <tr> <td>Mildew resistance test</td><td>Mold fungi, mildew</td></tr> </table>	Agar diffusion test	Mold fungi, mildew, yeast and bacteria	Germ Count Test	Bacteria	Mildew resistance test	Mold fungi, mildew
Agar diffusion test	Mold fungi, mildew, yeast and bacteria						
Germ Count Test	Bacteria						
Mildew resistance test	Mold fungi, mildew						
	Further information on these test methods is available from your local representative.						
Sanitized® Quality Seal	With a simple license agreement we transfer the rights to use the Sanitized® Ingredient Brand to you. Only substrates corresponding with the SANITIZED standard are allowed to carry the Sanitized® Quality Seal.						
Trademark	Please ask for the complete SANITIZED documentation.						

Storage/Handling

Handling	Wear gloves and eye protection. As Sanitized® PL 19-30 is a water-based dispersion it must be thoroughly stirred before application.
Storage	Please refer to the expiry date specified on the packaging. Protect from frost, heat and strong sunlight for prolonged periods. Do not expose to frost (aqueous dispersion). The dispersion slightly separates during storage. Therefore, the product must be agitated at least every three weeks to maintain integrity of the dispersion. Mix thoroughly before use. 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.

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.