

# QUALITY PROTECTS.



Microbiological protection – for **sustainable paints** with a **long shelf life**.

**X Preventol®**

**QUALITY WORKS.**

**LANXESS**  
Energizing Chemistry



LANXESS

LANXESS

**PAINTS AND COATINGS  
NEED APPROPRIATE PROTECTION**

When it comes to paints and coatings, every customer desires long-lasting, brilliant and high quality paint.

Effective protection of paints and coatings against microbial contamination depends on the product composition and the hygiene of the manufacturing plant, as well as the appropriate chemistry and adequate dosage of biocides.

**PROTECTION WITH BIOCIDES  
WHAT LANXESS HAS TO OFFER**

LANXESS offers a broad range of in-can and dry film preservatives that have been fully tested and have proven performance records with many leading paint companies.

Our fully equipped analytical, application and microbiology laboratories consistently strive to provide our customers with world-class technical service and the most technologically functional solutions. We also have the expertise to provide our customers with professional support in regulatory affairs as well as in safety, health and environment compliance issues.





## **IN-CAN PRESERVATION ENHANCES THE SHELF LIFE**

As long as water-based paint is stored in its container, protection is needed to prevent the growth of bacteria or fungi inside.

Containers spoiled with microbes may release an unpleasant odor once they are opened. Furthermore, the paint may lose viscosity, spreadability and the ability to adhere to the substrate, which is a significant reduction in quality.

Preservatives are chemicals that prevent the spoilage of a product. They are added during the production of the paint. The use of preservatives noticeably enhances the quality and shelf life of the paint.

**DRY-FILM PROTECTION  
ENSURES  
BRILLIANT PAINTS**



However, in order to produce high-quality paint, the paint also needs additional protection to control the microorganisms after the paint has formed a film on the substrate.

■ **ARCHITECTURAL COATINGS**

Exterior paints are subject to weathering conditions, emissions, as well as dust and dirt in the air. All those factors make the coating susceptible to microbial growth. Moisture and warm temperatures also support the growth of fungi. The exterior paint film is also susceptible to algae growth due to sunlight, which affects the properties of the coating.

Indoor paints are subject to similar problems due to moisture. The main issue indoors is fungi which creates an aesthetic problem and also has a negative effect on the health of people exposed to it. That is why a dry-film protection is as essential as an in-can protection.

■ **WOOD COATINGS**

Wood coatings play a decorative role and also protect wood against climate conditions. Our biocides for wood coatings include powerful fungicides for both water and solvent-borne formulations and protect the wood coating against fungicidal attack.



## **TRADITION AND INNOVATION MATERIAL PROTECTION SINCE 1907**

Our roots go back to 1907, when we produced antimicrobial active ingredients for the first time. Dedicated colleagues, through extensive research and development and several acquisitions, have made us who we are today – one of the world's leading companies for biocides in paints and coatings.

We offer a broad portfolio of preservatives and microbicides for the protection of paints and coatings. Our team of proficient experts are able to develop customized solutions and provide tailor-made advice for your specific product needs.

## **INNOVATIVE FORMULATIONS FOR PAINTS AND COATINGS**

With our experience and expertise in research and development as well as in manufacturing, LANXESS continuously explores new frontiers of chemical technologies in order to meet our customers' increasing expectations. We always strive to deliver the most effective and cost-efficient solution.

Our slow release technology is one example for our cost-efficient formulations. It enhances the period of protection in outdoor coatings by emitting the active ingredient gradually. Thus, a smaller amount of the active ingredient is needed, and a positive effect on the environment is achieved. Furthermore, we offer stabilized products in order to make the most of our portfolio.

## OUR PORTFOLIO FOR PAINTS AND COATINGS

### IN-CAN PROTECTION

Product	Active ingredient(s)								Description
	BIT	DBDCB	BNPD	CMIT/MIT	FA-R	MIT	OIT	ZPT	
Biochek® 410	x	x							VOC-free aqueous dispersion
Biochek® 722		x	x						VOC-free aqueous dispersion, product to avoid H317 (MIT)
Preventol® BIT 20-D	x								VOC-free aqueous dispersion
Preventol® BIT 20-N	x								aqueous solution
Preventol® BIT BN 2	x		x						VOC-free aqueous dispersion, product to avoid H317 (MIT)
Preventol® BIT IT	x			x					VOC-free aqueous dispersion, product to avoid H317 (MIT)
Preventol® BIT-TD	x					x			aqueous solution
Preventol® BM 5/10/25/75	x						x		VOC-free aqueous solution
Preventol® BMI	x			x			x		VOC-free aqueous dispersion
Preventol® BMO/ BMO basic	x						x	x	VOC-free aqueous solution
Preventol® BMP	x		x				x		VOC-free aqueous dispersion
Preventol® BO	x							x	VOC-free aqueous dispersion, product to avoid H317 (MIT)
Preventol® BZX	x							x	VOC-free aqueous dispersion, product to avoid H317 (MIT)
Preventol® D 12				x		x			aqueous solution
Preventol® D 7				x					VOC-free aqueous solution
Preventol® P 301 / P 91			x	x					VOC-free aqueous solution, product to avoid H317 (MIT)

### DRY-FILM PRESERVATION

Product	Active ingredient(s)							Description
	BCM	Diuron	IPBC	PPZ	OIT	TBZ	ZPT	
Preventol® A 6 / A 6-M		x						powder
Preventol® A 6-D		x						VOC-free aqueous dispersion
Preventol next® A 6-D		x						VOC-free, slow release product, aqueous dispersion
Preventol next® A 29-D		x			x		x	VOC-free, slow release product, aqueous dispersion
Preventol next® A 31-D		x	x	x				VOC-free, slow release product, aqueous dispersion
Preventol® A 12 TK-50				x				Solution in glycol ether
Preventol® A 14-D	x	x			x			VOC-free aqueous dispersion
Preventol® A 17-D					x	x		VOC-free aqueous dispersion
Preventol® A 19-D		x			x	x		VOC-free aqueous dispersion
Preventol® A 26-D					x	x		VOC-free aqueous dispersion
Preventol® A 27-D		x			x	x		VOC-free aqueous dispersion
Preventol® A 34-D	x	x	x					VOC-free aqueous dispersion
Preventol® MP 260			x					Solution in glycol ether
Preventol® MP 360			x	x				Solution in glycol ether
Preventol® MP 400-D			x					VOC-free aqueous dispersion
Preventol® MP 700			x					stabilized IPBC solution
Preventol® MP 900			x					VOC-free, slow release product, aqueous dispersion

BCM = Carbendazim  
 BIT = Benzisothiazolinone  
 BNPD = Bronopol  
 CMIT/MIT = Chloromethylisothiazolinone and Methylisothiazolinone  
 DBDCB = Dibromodicyanobutan  
 Diuron = Dichlorophenyl dimethylurea  
 FA-R = Formaldehyde Releaser  
 IPBC = Iodo-propinylbutylcarbamate  
 MIT = Methylisothiazolinone  
 OIT = Octylisothiazolinone  
 PPZ = Propiconazole  
 TBZ = Thiabendazole  
 ZPT = Zinc Pyrithione

**Use biocides safely. Always read the label and product information before use.**



# LANXESS

## Headquarter

LANXESS Deutschland GmbH  
Business Unit: Material Protection Products  
Kennedyplatz 1  
50569 Cologne  
Germany  
Tel.: +49 (0) 221 8885-2016  
E-Mail: [MPP-eBusiness@LANXESS.com](mailto:MPP-eBusiness@LANXESS.com)  
Website: [www.ProtectedbyLanxess.com](http://www.ProtectedbyLanxess.com)

## North and Central America

LANXESS Corporation  
Business Unit : MPP  
111 RIDC Park West Drive, Pittsburgh  
Pennsylvania, PA, 15275-1112  
USA  
Tel.: +1 412 809 1000  
Fax: +1 412 809 1074  
E-Mail: [MPP-info@LANXESS.com](mailto:MPP-info@LANXESS.com)  
Website: [www.mpp.us.lanxess.com](http://www.mpp.us.lanxess.com)

## South America

LANXESS Ind. de Produtos Químicos e  
Plásticos Ltda.  
Av. Maria Coelho de Aguiar, 215  
Bl. B - 2o. andar  
Business Unit Material Protection  
05804-902 - São Paulo - SP  
Brazil  
Tel.: +55 (11) 3741-2769  
E-Mail: [contatompp@LANXESS.com](mailto:contatompp@LANXESS.com)  
Website: [www.ProtectedbyLanxess.com](http://www.ProtectedbyLanxess.com)

## Asia, Australia and New Zealand

LANXESS Pte Ltd  
Business Unit : MPP  
APAC Region  
16, Joo Koon Crescent  
Singapore 629018  
Tel.: +65 6725 5875  
Fax: +65 6725 4753  
E-Mail: [MPP-eBusiness@LANXESS.com](mailto:MPP-eBusiness@LANXESS.com)  
Website: [www.ProtectedbyLanxess.com](http://www.ProtectedbyLanxess.com)

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