

# QUALITY PROTECTS.



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

**QUALITY WORKS.**

**LANXESS**  
Energizing Chemistry

### Paints & Plasters

All aqueous formulations require in-can preservation technologies to control contamination and increase shelf life. Our preservatives help fighting against a wide spectrum of microbes to prevent contamination and deliver an excellent finished product that's designed to last.

#### **Preventol® DBC**

- Aqueous dispersion
- Efficient and fast acting for critical products
- Free from FA and organic solvents
- Excellent performance against in-house bacteria



### Polymer Emulsions

Our wide array of in-can preservatives offer cost-effective and long-term protection for a full range of industrial applications.

#### **Preventol® P 91 MV**

- Aqueous preparation of 2-bromo-2-nitropropane-1,3-diol (Bronopol) and isothiazolinones.
- VOC-free.
- Broad and balanced spectrum of activity against bacteria (aerobic and anaerobic), mould and yeast.

#### **N-2000 Antimicrobial**

- Dodecyl guanidine hydrochloride (DGH) solution in dipropylene glycol/ propylene glycol
- For non-ionic stabilized systems
- For the control of bacteria and fungi, esp. *Gluconacetobacter* spec.



# IN-CAN PRESERVATION

## Plant Hygiene

Improper industrial hygiene can result in microbial contamination of raw materials, recycled water, and finally the end products. That can lead to equipment failure and decreased productivity. Our technical experts can help determine the cause of contamination with microbial audits of manufacturing facilities. These audits, coupled with industrial hygiene good practices, will help decrease costly shutdowns and production delays.

### Bioban® DB 20

- Quick kill biocide for rapid decontamination
- Use for plant clean-up, decontamination of raw materials and wash water

### Preventol® OX

- Pentapotassium bis(peroxymonosulphate) bis(sulphate)
- Strong oxidizing active for water disinfection
- Efficient oxidative removal of organic residues



**X Bioban®**      **X Preventol®**

**Table 1: In-Can Preservatives**

Product	Active ingredient	Appearance	VOC	AOX	Comment
Bioban® DB 20	DBNPA	Solution	No	Yes	Plant Hygiene
Kordek® MLX Industrial Microbicide	MIT	–	No	–	–
Kathon® LX 1.5% Biocide	CMIT/MIT	Solution	No	Yes	–
Preventol® BIT 20-D	BIT	Dispersion	No	No	–
Preventol® BIT 20-N	BIT	Solution	Yes	No	–
Preventol® BIT 10	BIT	Solution	No	No	–
Preventol® BIT IT	BIT + CMIT/MIT	Dispersion	No	Yes	–
Preventol® BIT IT 360	BIT + CMIT/MIT	Dispersion	No	Yes	Optimal ratio for 360 ppm BIT
Preventol® BM 5	BIT + MIT	Solution	No	No	–
Preventol® D 8	CMIT/MIT + TMAD	Solution	Yes	Yes	–
Preventol® D 12	CMIT/MIT + EDDM	Solution	Yes	Yes	–
Preventol® D 7 LT	CMIT/MIT	Solution	No	Yes	–
Preventol® DP 18	Bronopol + DBDCB	Dispersion	No	Yes	Isothiazolinone-free
Preventol® DBC	DBDCB + BIT + CMIT/MIT	Dispersion	No	Yes	–
Preventol® P 10 W	Bronopol	Solution	No	Yes	–
Preventol® P 301 MV	CMIT/MIT + Bronopol	Solution	No	Yes	–
Preventol® P 91 MV	CMIT/MIT + Bronopol	Solution	No	Yes	–
Rocima® 518 Biocide	DTBMA + BIT	Dispersion	No	No	–
Rocima® 556	DTBMA	Dispersion	No	No	–
Rocima® BT 20 AS	BIT	Dispersion	No	No	Optimal for food contact requirements
Preventol® OX	KMPS	Powder	No	No	Plant hygiene



## Dry-film protection

Our microbial control technologies offer a broad spectrum of protection against molds, algae and lichens helping prevent microbial defacement over a long period of time.

### Rocima® 350

- High-performance dry-film protection for water-based systems
- Broad spectrum activity against algae and fungi
- Easily pumpable dispersion



## Wood coatings

Wood coatings are not only for decorative purposes, they also protect wood against environmental conditions. Our biocide concentrates for wood coatings contain powerful active ingredients for both, water and solvent-borne formulations which protect wood coatings against fungal attack.



# FILM PROTECTION

## Marine Antifouling

Biocides for marine antifouling are essential for materials in permanent contact with sea-water like vessels or fishnet. Left untreated, hard-fouling (mussels, barnacles, tubeworms) and soft-fouling (algae, slime, diatomaceous) organisms can easily attach e.g. to the hull of a ship or boat, affecting fuel efficiency, and the durability of the coating.

**Sea-Nine® 211 N** effectively protects metal from corrosion and prevents the growth of bacterial slime, algae, barnacles, seaweed and other marine organisms. With long-lasting control and stability in marine paint formulations, our technology provides solutions to a broad spectrum of organisms that can impact marine efficiency.

**X Sea-Nine®**



**Table 2: Dry-film preservatives**

Product	Active ingredient	Appearance	VOC	AOX	Comment
Preventol® A 17-D	TBZ + OIT	Dispersion	No	No	For indoor use
Preventol® A 26-D	ZPT + OIT	Dispersion	No	No	For indoor and outdoor use
Preventol® MP 440-D	IPBC	Dispersion	No	Yes	For indoor and outdoor use
Preventol® A 6 / A 6-M	Diuron	Powder	No	Yes	For outdoor, algicide only
Preventol® A 6-D	Diuron	Dispersion	No	Yes	For outdoor use, Algicide only
Preventol® A 27-D	Diuron + ZPT + OIT	Dispersion	No	Yes	For outdoor use
Preventol® MP 260	IPBC	Solution	Yes	Yes	For indoor and outdoor use
Preventol® MP 700	IPBC	Solution	Yes	Yes	Stabilized IPBC solution Wood coatings
Preventol® next A 6-D	Diuron	Dispersion	No	Yes	Slow release technology
Preventol® next A 29-D	Diuron + ZPT + OIT	Dispersion	No	Yes	Slow release technology
Preventol® next MP 900	IPBC	Dispersion	No	Yes	Slow release technology
Rocima® 342	DCOIT	Solution	No	Yes	Exterior Use
Rocima® 344	DCOIT + OIT	Solution	Yes	Yes	Exterior Use
Rocima® 346	DCOIT	Solution	Yes	Yes	Exterior Use
Rocima® 350	DCOIT + IPBC	Dispersion	No	Yes	Exterior Use
Sea-Nine® 211N	DCOIT	Solution	Yes	Yes	Marine Antifouling

# **REGULATORY AND TECHNICAL SUPPORT TO FIND THE MOST SUITABLE BIOCIDES FOR YOU**



**Are you looking for someone who supports you not only with quality biocide formulations, but also with a reliable service?**

**LANXESS' worldwide experts will support you finding the most suitable solution for you and your business.**



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

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#### Microbial Control website:

