

LANXESS MATERIAL PROTECTION PRODUCTS (MPP)

US/CANADA PRODUCT SELECTION GUIDE FOR METALWORKING FLUIDS

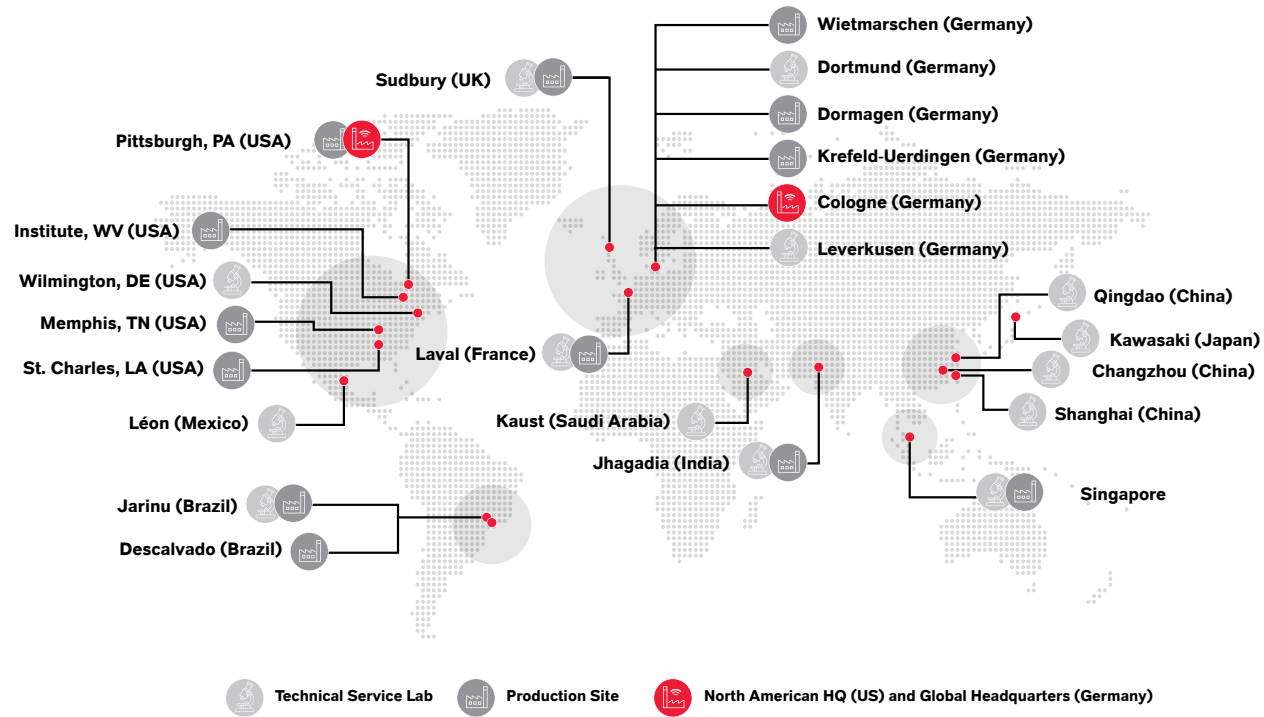
Active Ingredient	Product*	Active Percentage	Fungicide (F) Bactericide (B)	Form	Tankside**				Concentrate**				Available for MWF in Canada***
					Straight Oils	Soluble Oils	Semi-Synthetic	Synthetic	Straight Oils	Soluble Oils	Semi-Synthetic	Synthetic	
BIT & BIT Blends	Preventol® BIT 20 N	19% BIT	B	Glycolic Solution	0.05 – 0.18%				N/A	Up to 3%			No
	Preventol® BM5	2.5% BIT/2.5% MIT	B, F	Aqueous Solution	Final Use-Dilution 0.15 – 0.45%				N/A			No	
CMIT/MIT	Preventol® IT 14 Preservative	~14% CMIT/MIT	B, F	Aqueous Solution	N/A	Maintenance of non-fouled 0.0021 – 0.012% (every 4 weeks) Noticeably Fouled 0.0055 – 0.012%			N/A			Yes	
	Preventol® D7	1.5% CMIT/MIT	B, F	Aqueous Solution	Maintenance of non-fouled 0.025 % (every 4 weeks) 0.025% – 0.114 % (every 8 – 12 weeks) Noticeably Fouled 0.05 – 0.114 %				Final Use-Dilution 0.04 – 0.15%			Yes	
IPBC & IPBC Blends	Preventol® MP 260	30% IPBC	F	Glycolic Solution	N/A				0.10 – 1.75%			No	
	Preventol® MP 400D	40% IPBC	F	Aqueous Dispersion	Up to 0.25%				Final Use-Dilution 0.25%			Yes	
	Preventol® A12 TK-48	34% Propiconazole/ 16.5% IPBC	F	Glycolic Solution	0.005 – 0.100%				0.05 – 1.00%			No	
MIT	KORDEK™ LX5000	50% MIT	B, F	Aqueous Solution	N/A	0.015% – 0.03%			0.015% – 0.03%			Yes	
Nitromorpholene	BIOBAN™ P-1487	86% Nitromorpholene	B, F	Alkaline Solution	N/A				Final-use dilution 0.1%			No	
OIT	BIOBAN™ O 45 Antimicrobial	45% OIT	F	Glycolic Solution	N/A	Maintenance of Non-Fouled 0.0011%–0.0067% Noticeably Fouled 0.0055 – 0.0167%			Maintenance of Non-Fouled 0.0011% – 0.0067% Noticeably Fouled 0.0055 – 0.0167%			No	
Bronopol & Bronopol Blends	Preventol® P 30	30% Bronopol	B	Glycolic Solution	0.033 – 0.33%				N/A			No	
	Preventol® PM 310	15% Bronopol/ 5% MIT	B, F	Aqueous Solution	Final Use-Dilution 0.05 – 0.50%				N/A			No	
	Preventol® P 91	10% Bronopol/ 1.1% CMIT/MIT	B, F	Aqueous Solution	Final Use-Dilution 0.05 – 0.30%				N/A			No	
OPP	Preventol® O Extra Preservative	99% OPP	B, F	Solid/Flakes	N/A	0.05 – 0.20%	Final Use Dilution 0.05 – 0.30%		1.00 – 5.00%	Final Use Dilution 0.05 – 0.30%		No	
	Preventol® ON Extra Preservative	71.7% NaOPP (63.3% OPP)	B, F	Solid/Flakes	N/A	0.2 – 0.8%			2.5 – 10%			Yes	
	Preventol® ON Extra Preservative Solution	20% Na-OPP	B, F	Alkaline solution	N/A	0.3 – 1.4%	Final Use Dilution 0.3 – 1.7%		5.7 – 28.3%	Final Use Dilution 0.3 – 1.7%		Yes	
PCMC	Preventol® CMK Preservative	99% PCMC	B, F	Solid Flakes	0.05 – 0.20%	0.05 – 0.30%		0.50 – 0.30%	1.00 – 3.00%	1.00 – 6.00%		Yes	
	Preventol® CMK 40	40% PCMC	B, F	Alkaline solution	0.30 – 0.75%	0.125 – 0.75%			3.0 – 7.5%	2.50 – 15%		Yes	
DBNPA	AQUCAR™ DB 20	20% DBNPA	B, F	Glycolic Solution	For concentrates diluted in water at ratios of 1:100 – 1:4				N/A			Yes	

As with any product, use of the products mentioned in this publication in a given application must be tested (including field testing, etc.) by the user in advance to determine suitability. Check EPA and PMRA label for approved uses and dosage rates.

*Not all products and applications included in this brochure. Consult your LANXESS MPP Account Manager with questions about additional products and applications.

**Confirm approved application dosages on label prior to use.

***Approved applications limited in Canada. Products not registered in Canada may still qualify for treated article exemptions. Check with LANXESS Account Manager before use.



With recent acquisitions, LANXESS has become one of the world's largest suppliers of microbial control products, offering an even larger global manufacturing footprint and technical and regulatory expertise.

LANXESS

Energizing Chemistry

LANXESS Corporation

Business Unit Material Protection Products

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

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Regulatory Compliance Information: Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, NSF, USDA, CPSC and BfR. If you have any questions on the regulatory status of these products, contact your LANXESS Corporation representative or Regulatory Affairs Manager at LANXESS.

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