

QUALITY PROTECTS.



QUALITY WORKS.

LANXESS
Energizing Chemistry

BIOCIDE FORMULATIONS WITHOUT H 317 LABEL ON THE END PRODUCT

With the recent publication of the 15th ATP, only a limited choice of biocide formulations remains available in EMEA, that do not trigger the H317 label on the end product:



May cause an allergic skin reaction

The 15th ATP was published on August 11, 2020. After the 18 months implementation period, the new labeling has to be adapted. The changes will become effective on March 1, 2022, without any exception for treated articles and formulations.

DBDCB FORMULATIONS AS ALTERNATIVE

DBDCB-based products are a good alternative for the MIT free and ZPT free preservation of in-can formulations to prevent undesired labelling of the end-product.

The active ingredient DBDCB has a favorable profile:

- Long-term efficacy
- Broad spectrum efficacy including *Pseudomonas* and *Fusarium* species
- Good chemical compatibility with most formulation components*
- Completely soluble in water-based products within dosage recommendation

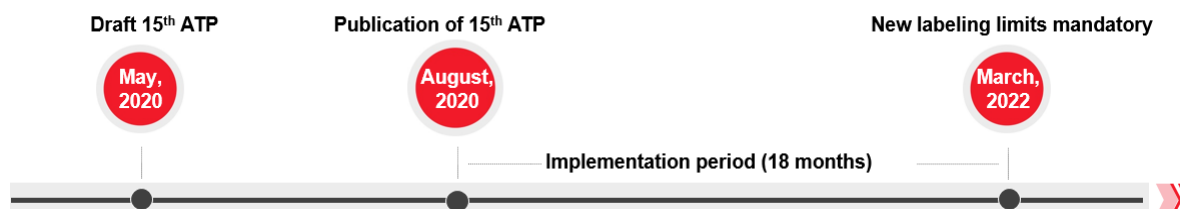


Image 1: Timeline for 15th ATP

* Except for nucleophiles such as hydrogensulphite, sulphite, mercaptanes or primary amines

LANXESS' DBDCB FORMULATIONS FOR PAINTS AND COATINGS IN EUROPE

DBDCB is a good combination partner. It is part of several formulations that are available in Europe. Preventol® DBC is an efficient alternative for products with high BIT carry over.

Preventol® DBC (DBDCB +BIT + CMIT/MIT)

For products with high
BIT carry over from raw
materials

- **Free of CMR substances**
- **No H317 label for end product if dosage < 0.21 %**
- **Ecolabel possible at low dosages**

Furthermore, we also offer a formulation that is completely free of Isothiazolinones.

Preventol® DP 18 (DBDCB + BNPD)

Completely free of
Isothiazolinones

- **Free of CMR substances**
- **No H317 label for end product**

DEDICATED REGULATORY AND TECHNICAL SUPPORT

LANXESS supports its customers with dedicated regulatory and technical support.

In our laboratories we conduct microbiological tests, analytical studies, stability and performance tests. Our experienced experts support you with technical advice, guide recipes and analytical methods in order to enable you to develop or optimize your product portfolio.

The constantly changing regulatory environment makes it difficult for formulators to stay up-to-date.

Our regulatory experts are actively involved in a number of committees and continuously in close contact with authorities.

Thus, LANXESS always keeps pace with the latest developments, and can give up-to-date information and advice. If you have any question, our experts will be pleased to support you.

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