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Energizing Chemistry

The future of preservation – CIT/MIT depletion by Klarix® EXIT

Degradation of isothiazolinones in various applications

Speaker

What is the best bactericide in class?

Broad

Quick

CIT/MIT

Moderate

Moderate

BUT…

Consumer restriction to 15 ppm

What if….

…you could still use CIT/MIT to preserve your raw materials even up to 48 ppm?

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Klarix® EXIT

Up to 48 ppm CIT/MIT → up to 100 ppm Klarix® EXIT

- Use of already BPR authorized CIT/MIT formulations
- Eliminate carry-over of CIT **and** MIT from other raw materials
- Gives the opportunity of starting final product preservation at zero

Klarix EXIT can be used both in Ecolabel and Blue Angel products

General Properties

- Non-biocidal additive
- Used in paints, coatings, adhesives, latices
- Applicable for other water-based industrial products
- Enabling finished product Blue Angel and Ecolabel
- Process hygiene
- Ensures cleanliness in industrial processes
- Adjusts CIT and MIT concentrations
- Required for specific end product formulations
- Degrades both CIT and MIT
- Irreversible degradation within a short time frame

Composition	Aqueous solution of sulfur compounds
Description	Colorless clear liquid
pH	3 - 5
Shelf life	12 months
Use area	Water-based products preserved with CIT/MIT in general
Registration status	REACH
Solubility	Soluble in water

CIT/MIT	Kathon® LX 150	Addition of Klarix® EXIT
15 ppm	0.1 %	0.2 – 0.3 %
30 ppm	0.2 %	0.4 – 0.6 %

Klarix EXIT will degrade CIT and MIT

Polymer emulsions and other raw materials protected with e.g. Kathon LX150 to up to 48 ppm CIT/MIT

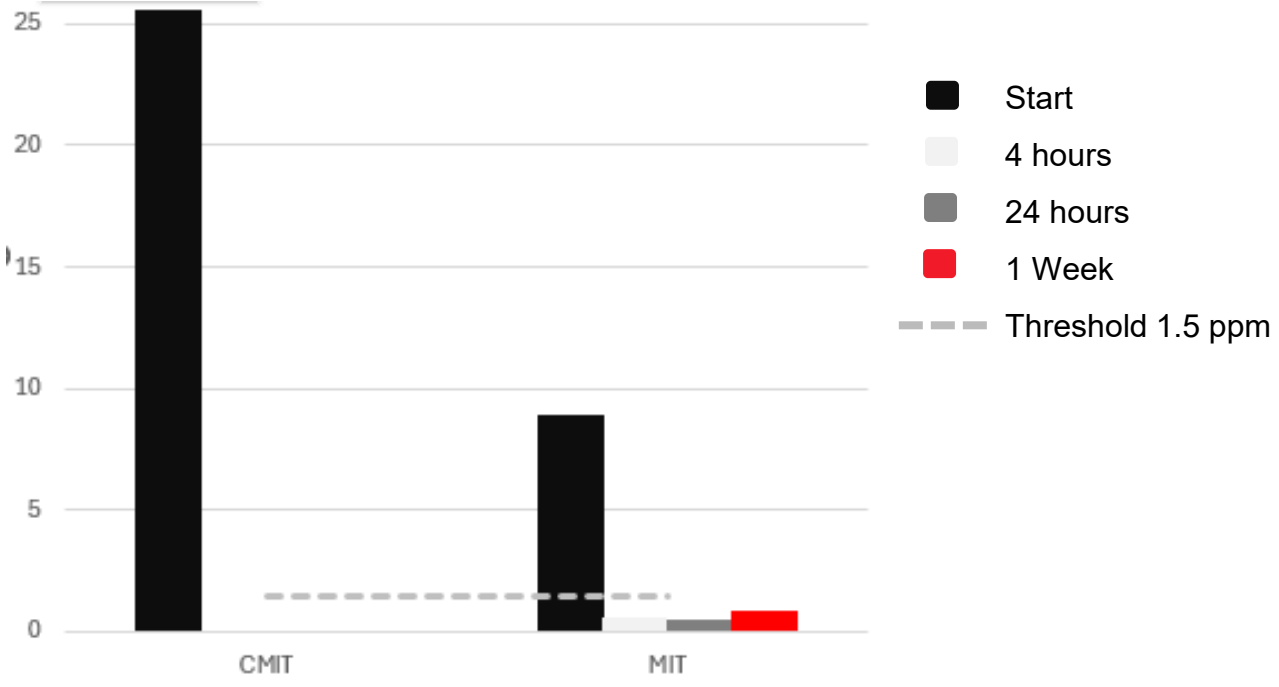
Production of end product and addition of Klarix EXIT to degrade CIT and MIT

No CIT and MIT residues left in the end application

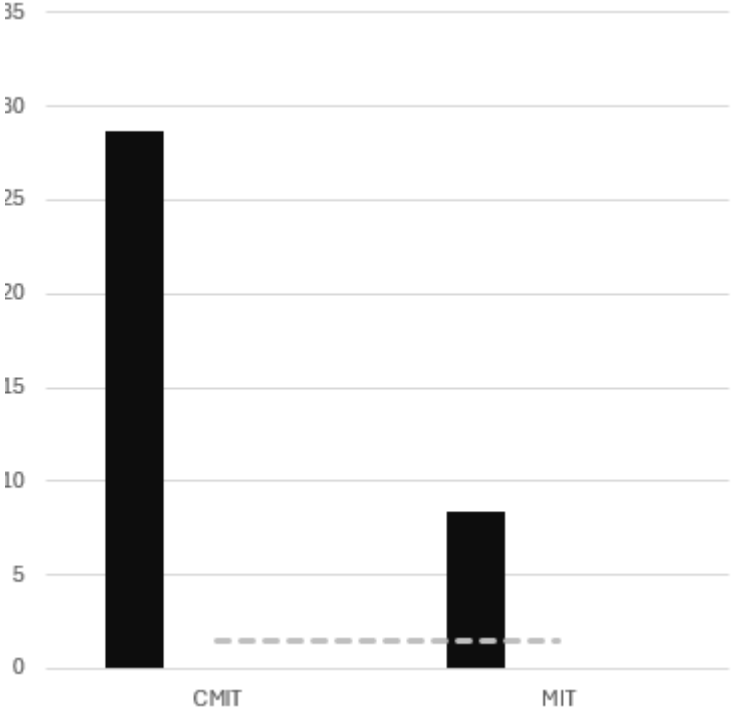
→ **No labelling needed**

Significant degradation of CIT and MIT below critical limit of 1.5 within 4h.

CMIT/MIT degradation by Klarix® EXIT in ACRYLIC and STYRENE ACRYLIC binder.
Both CIT and MIT can be reduced significantly below 1.5 ppm



In VINYL ACETATE ETHYLENE emulsions both actives will be destroyed below detection limit



Technical brochure is now available on Showpad!

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QUALITY PROTECTS

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Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.