

# Technical Information

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# derypol

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## Derycide CD42

Biocide product

### DESCRIPTION

**Antimicrobial based on stabilised isothiazolinones in aqueous media.**

Composition: CIT:MIT - 3:1

CIT: 5-cloro-2-metil-4-isotiazolin-3-ona

MIT: 2-metil-2H-isotiazol-3-ona

### CHARACTERISTICS

Type of product	: Aqueous solution
Appearance	: Slightly yellowish transparent liquid
Density	: 1.07 – 1.11 g/cm <sup>3</sup>
pH	: 2 – 4
Viscosity	: < 150 cP
Shelf life	: We recommend not keeping the product for more than 6 months

MICROBIOLOGICAL ACTIVITY: minimum inhibitory concentration (m.i.c.) of product against different microorganisms.

<u>Microorganism:</u>	<u>M.I.C. (ppm)</u>
Gram+ bacteria	150/600
Gram- bacteria	250/600
Algae	10/100

*Note: The parameters indicated here are not necessarily the specifications of the product. These will be agreed with each customer and will be part of the contract that must be respected for each batch supplied.*

## APPLICATION

- Soluble in water, short-chain alcohols and glycols at 20 °C.
- The product can be added at any point of the process with high stirring.
- The recommended doses are usually 0.05 - 0.3% of the total weight of the formulation. Compatibility testing is recommended to verify the appropriate dosage.
- The optimal application is up to a pH value of 7,5 - 8.
- Product for industrial use generally used as:
  - Preservative for cosmetic products, liquid detergents and softeners.
  - Disinfectants used in the areas of private life and health and other biocides.
  - Disinfectants for food contact surfaces and animal feed.
  - Preservative for packaged products.
  - Protector for liquids used in refrigeration systems and industrial processes.
  - Protector for metalworking liquids.
  - Anti-mold product.

Consult our technical staff in case of any doubt.

## BENEFITS

- It has a high activity against gram-positive bacteria, gram-negative bacteria, fungi and yeasts.
- It prevents as well, at very low doses, from alterations of odour, viscosity and pH caused by microorganisms.
- In general, it can be applied for all types of aqueous emulsions.

## STORAGE AND DISTRIBUTION

- The product should be kept in a covered place, the container tightly closed, protected from sunlight and within the temperature range recommended in Section 7 of the Safety Data Sheet.
- Once the container is open, avoid contamination. Check the Material Safety Data Sheet.
- Take the habitual precautions when handling a chemical product. Avoid the product to contact with eyes, skin or clothes.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.

## REGULATORY

The product abides by the next regulations:

- It is in conformity with Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products.

Consult our technical staff in case of any doubt.