



Product Bulletin

TC-CATHON

INCI Name

METHYLCHLOROISOTHIAZOLINONE (and)
METHYLISOTHIAZOLINONE

Description

TC-CATHON is a new type high-efficient and low-cost preservative, with Broad Spectrum Activity especially to epiphyte, yeast, bacterium. It's widely used in all kinds of personal care products as representative of parabens and benzoic acids.

Specification

Parameter	Value
Appearance	Yellowish liquid
pH value (25 °C)	2.0-6.0
Active ingredient (%)	≥1.5

These values indicate typical specification, they are not intended to be used as product specifications.

Properties

- Broad Spectrum Activity. Especially to mycete, yeast, gram positive bacterium, gram negative bacterium.
- Good compatibility with anionic, cationic, nonionic surfactants. Keep biological activity in presence of protein and surfactant.
- High water solubility. Easy to use.
- High stability. Decompose under alkaline condition or at high temperature.

Applications

Shampoo, conditioner, facial cleanser, body wash
Styling product
Disinfector of package, container, equipment

Detergent,
cleaning agent for industry, painting, water treatment product

Formula Guidelines

Typically used at a level of 0.05-0.1%.
Add into system in the final step under 50°C.
Micro-organisms challenge test is necessary before using.
Amine, mercaptan, thioether can reduce the biological activity of TC-CATHON.
Don't apply in the products which contact mucosa directly.

Storage & Handling

Standard Packing: 25kg/drum
Storage: Keep in Cool, Dry, Ventilated and Lightless Place.

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