

THIOCIDE

Preserving Quality, Ensuring Safety



About Company

Afra Gol Caspian Company began its operations over six decades ago with the goal of manufacturing and importing raw materials. The journey of this organization started in 1958 under the name "Javid Pharmaceutical" in Mashhad.

After 13 years, the company continued its activities in Tehran under the name "Khorasan Pharmaceutical." Over the years, the company's operations expanded from pharmaceuticals to chemical products, continuing under the name "Khorasan Chemical."

In 1985, the "Gol Pharmaceutical" factory entered the Iranian market with herbal-based medicinal products and continued under the brand "Toos Chemical" in 1989.

Finally, in 2012, Javid Toos Group officially started its trading activities, successfully introducing over 100 products to the Iranian market. Under the Javid Toos Group, a manufacturing company was established with the name Afra Gol, which produces skincare and haircare products as well as related raw materials.

ISOTHIAZOLINONE (1.5%)

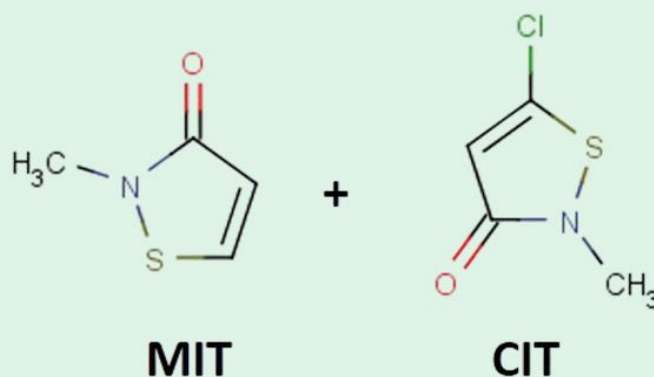


Characteristics

Isothiazolinone is widely used in cosmetics and as chemical additives for professional and industrial applications due to their excellent bacteriostatic and fungistatic properties.

They serve as effective in-can preservatives for a variety of products including dishwashing liquids, liquid detergents, cleaners, fabric softeners, wax emulsions, window cleaners, and scouring agents.

Our Isothiazolinone formulation is a broad-spectrum biocide, consisting of an aqueous solution of CMIT/MIT stabilized with magnesium salts. It offers reliable protection against microbial growth with low toxicity at recommended use levels.





General information on storage, safety and transport

Isothiazolinone is classified as dangerous product for transport, being labelled as corrosive C.

For further information refer to the material safety data sheet.

Use Guidelines

Isothiazolinone is fully soluble in water and usual polar solvents.

It is stable in pH between 3 and 9 and temperatures up to 60 °C. Store at 25 °C.

Slightly acid pH values are preferred.

Avoid high temperatures.

Stearic and phosphoric acids can react with magnesium stabilizers in Isothiazolinone to form insoluble salts.

Use hard water (better than deionized).

Avoid formulations containing cysteine and zinc pyrithione.

When used in low dose it is recommended the use of complementing preservatives.

Applications

Personal Care and Cosmetics Products:

Shampoos, conditioners, lotions, creams, liquid soaps, and other water-based cosmetics.

Water Treatment Applications:

Cooling towers, industrial water systems, pulp and paper mills, and oil and gas operations.

Paper and Pulp Industry Applications:

Paper production, pulp processing, and coatings used in paper products.



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