

MAMI is a highly effective bactericide and fungicide. It is used to control bacterial and fungal diseases of plants and animals. It is also used as a preservative for animal products and as a disinfectant for animal quarters.

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#### Protective Colloids

Enzymes resulting from the growth of certain filamentous bacteria, water-thinned cellulosic protective colloids, such as hydroxyethyl cellulose solutions, and a low viscosity of these solutions. MAMI has demonstrated effectiveness in controlling the microbiological growth and thereby provide viscosity stability for the protective colloid. Concentrations of 0.05 to 0.2 percent of MAMI, based on the total weight of solution, are recommended for preservation; the exact concentration needed will depend on the particular system, amount of microorganism contamination, and the degree of protection desired.

#### SAFETY AND TOXICITY DATA

A wide range of toxicity studies has been conducted to determine the safety of MAMI to humans and animals.

1. Toxicity studies in MAMI in adult rats showed no significant effects at 10% weight.
2. The acute LD<sub>50</sub> of MAMI in adult rats is between 1 and 2 grams per kilogram of body weight. The acute LD<sub>50</sub> in adult mice is between 0.5 and 1.0 grams per kilogram of body weight.
3. There is no significant eye irritation or damage to the eyes of adult rats when they are exposed to a 10% solution of MAMI for 24 hours. The eyes were washed with water after the exposure and the rats did not blink.
4. Toxicity studies in adult mice showed no significant effects at 10% weight. MAMI is not a skin irritant and does not cause allergic reactions. It is not a respiratory irritant and does not cause asthma. However, it is a strong oxidizing agent and should be handled with care.

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#### Handling Precautions

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#### First Aid

In case of contact with MAMI, wash the affected area with water. If swallowed, drink water and seek medical attention.

If MAMI is spilled on the skin, wash the affected area with water. If it gets into the eyes, wash the eyes with water. If it gets into the mouth, drink water and seek medical attention.

**NOTE TO PHYSICIAN:** In case of contact with MAMI, wash the affected area with water. If swallowed, drink water and seek medical attention.

