

KORALONE™ C-103 Preservative for Household and Industrial & Institutional Products

Description

KORALONE C-103 preservative is a highly effective antimicrobial agent recommended for use in preservation of Household and Industrial & Institutional products. KORALONE C-103, is a water-based solution of the technical grade of the methylchloroisothiazolinone/methylisothiazolinone chemistry (MCI/MI) at a concentration of 2.5% active ingredient.

Benefits Of KORALONE C-103 Preservative

- Highly effective against bacteria, yeasts and moulds.
- Excellent cost-efficacy.
- Formaldehyde and formaldehyde releasers free.
- Effective alternative to formaldehyde and formalde-hyde donors.
- Supplied as aqueous solution. Readily incorporated into household and domestic product formulations.
- Compatible and effective with anionic, ester quaternary surfactants, non ionic surfactants and commonly used household product ingredients.
- Stable over a wide range of pH (2 to 8.0) and temperature conditions.
- Non toxic at use levels.
- Safe to use at recommended use levels.
- Environmentally acceptable: rapidly degrades, does not bioaccumulate and is non persistent in the environment.

KORALONE C-103

Physical and Chemical Properties

CHEMICAL COMPOSITION

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|---------------------------------|-------------|
| Total Active Ingredients | 2.5% |
|---------------------------------|-------------|

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|----------------------------------------|--|
| INCI name: methylchloroisothiazolinone | |
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| CAS N° 26172-55-4 |
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| INCI name: methylisothiazolinone | |
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| CAS N° 2682-20-4 |
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Insert Ingredients

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| Proprietary stabilizer | |
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|-------|---------|
| Water | balance |
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PHYSICAL PROPERTIES

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| Appearance | Clear, light blue to light green liquid |
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| Solubility in water | Infinite |
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| pH | 2.0-3.0 |
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Suggested Applications

- **Laundry products**, such as:
 - liquid laundry detergents
 - fabric softeners
 - pre-spotters

- **Liquid detergents**, such as:
 - hand dishwashing detergents
 - hand cleaners
 - hand soaps
- **Cleaners and polishes**, such as:
 - all purpose cleaners
 - floor and furniture polishes/waxes
 - automotive washes, polishes and waxes
- **Miscellaneous**, such as:
 - moist towelettes
 - air fresheners
 - moist sponges
 - gel air fresheners
- **Raw materials and surfactants** used in the Household and Industrial & Institutional industry.

Recommended Use Levels

For effective preservation of domestic products it is recommended that KORALONE C-103 preservative should be dosed in the range of 0.03% to 0.055% as supplied, which is equivalent to 7.5 ppm to 14 ppm total active ingredients.

N.B. To ensure long term protection of the product it is advisable to avoid use-levels below 0.03%.

Since the components of household formulations can vary considerably and may have impact on the effect of preservatives, we advise each manufacturer to confirm the efficacy and stability of KORALONE C-103 in use.

Preservatives are not designed to overcome lack in plant or manufacturing hygiene but to avoid contamination in microbiologically clean products. Any microbial contamination of the product, raw materials, process water, storage installations or packaging will reduce preservative efficacy and should be avoided. However, occasionally, the degree of unavoidable contamination as well as conditions for microbiological growth exhibit seasonal fluctuation, so that a periodical determination of germs counts can assist in choosing the optimum dosage rate.

In the case of special applications, please consult either our Technical or our Biological Laboratories for assistance.

Safe Handling Of KORALONE C-103

Please refer to the safety data sheet (MSDS) of this product for precise handling instructions. The processing and use of industrial chemicals require adequate technical and professional knowledge.

In general, avoid eye and skin contact, wear safety goggles, gloves and protective clothing. In case of eye or skin contact, despite precautionary measures, wash immediately and thoroughly with plenty of warm water and obtain medical attention.

The legal requirements prevailing in your country, especially on working hygiene and in the avoidance of accidents, must be observed.

Shelf Life and Storage Of KORALONE C-103

KORALONE C-103 in original containers under appropriate storage conditions will have a shelf life of 4 years. KORALONE C-103 should be stored in closed original containers at ambient temperature, protected from direct heat.

Regulatory Information

For regulatory information about KORALONE C-103 preservative, please ask your local Rohm and Haas contact or liaise with our Product Integrity Department. KORALONE C-103 is formulated with BPD (Biocidal Products Directive) notified active ingredients.

Material Safety Data Sheets

Rohm and Haas Material Safety Data Sheets (MSDS) contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Under the principles of Product Stewardship and some government regulations (for example, the US OSHA Hazard Communication Standard), workers must have access to and understand MSDS all hazardous substances to which they are exposed. Thus, it is important that you provide appropriate training and information to your employees and make sure they have available to them MSDS any hazardous products in the workplace.

Upon initial shipment of all products (including samples), Rohm and Haas Company sends the appropriate MSDS to the recipient. If you do not have access to one of these MSDS, please contact your local Rohm and Haas representative for a copy. Updated MSDS are sent upon revision to all customers of record. Rohm and Haas Company is a member of the American Chemistry Council (ACC) and is committed to the ACC's Responsible Care Program.

Use biocides safely. Always read the label and product information before use.

KORALONE is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates. The Company's policy is to register its trademarks, where products designated thereby are marketed by the Company, its subsidiaries or affiliates.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control.

We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

Suggestions for uses of our products or the inclusion of descriptive material from patents and the citation of specific patents in this publication should not be understood as recommending the use of our products in violation of any patent or as permission or license to use any patents of the Rohm and Haas Company.

For further details, please contact your local Account Manager or local Business Representative.

