



An economical, non-irritating solution for home care

Kalaguard® SB

Consumer-Friendly Preservation for Home Care

- **Globally Trusted:** Effective in home care formulations up to pH 7.0 with established history of use in food and personal care applications
- **Green:** Authorized for use in products certified under green label programs, such as Ecolabel, Nordic Swan, and Ecocert; readily biodegradable
- **Excellent Chemistry Profile:** Non-sensitizing and complimentary to formulations with skin-friendly attributes
- **Nature Identical:** Identical to chemistry found naturally in many fruits
- **Highest Quality Available:** Virtually odorless and colorless and free of irritant impurities



A New Preservation Alternative for Home Care Applications

Kalaguard® SB sodium benzoate is now available to homecare formulators to help meet consumer demand for labels free of sensitizers and formaldehyde donors. Kalaguard SB is a gentle, effective solution to preserve freshness and maintain the integrity of household care formulations, **controlling yeasts, molds, and bacteria in products up to pH 7.0.**

Sodium benzoate has been globally used for many years in applications such as foods, beverages, and personal care and provides **proven product protection with the comfort of a green footprint.** It is classified by the European Commission as low risk substance, preferred over classical biocides to encourage the use of products with a more favorable environmental or human or animal health profile.

Kalaguard SB is easily incorporated in formulations such as cleaners, wipes, dish wash liquids, laundry detergents, fabric softeners, and air fresheners, where it provides an **optimal balance of efficacy, economy, and a consumer friendly profile.**

Ultra-Pure Ingredients from a Reliable Global Supplier

Emerald Kalama Chemical is a **trusted global leader in benzoate preservatives.** Kalaguard® SB is produced at Emerald's world-scale facility in Rotterdam, Netherlands, using the highest standards for quality and responsible manufacturing, including ISO 9001:2015, ISO 14001:2015, and ISO 45001.





Properties

Kalaguard® SB is typically used at 0.1– 2.5%, alone or in combination with other preservatives. It has little impact on formulation viscosity, good stability in homecare formulations, and good compatibility with common surfactants and other preservatives. It is odorless and easy to use due to its low impurity level, no discoloration, and fast dissolution.

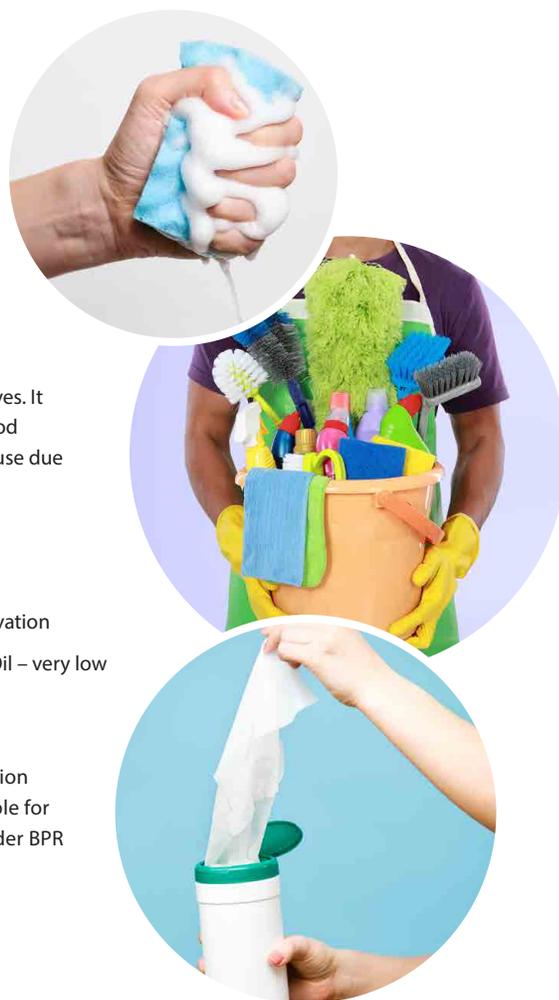
- **Form:** white grains, dust-free
- **Purity:** 99.9% min.
- **pH:** effective up to pH 7.0, can be combined with other antimicrobials to extend preservation
- **% Solubility at 25°C:** Water – 62%, Propylene Glycol – 15.6%, Glycerin – >2%, Mineral Oil – very low

Compliance Information

Kalaguard® SB is an approved preservative (PT 6) under the EU Biocidal Product Regulation (BPR) 528/2012 and is the **only BPR-compliant sodium benzoate preservative** available for use in the European Union. Kalaguard SB has a **maximum inclusion level of 2.95%** under BPR and **no labeling requirements** for end products (at use levels <10.0% per CLP).

Emerald Kalama Chemical is a leading global supplier of benzoic acid, benzaldehyde, and related downstream specialties, with world-scale, backward integrated facilities in Kalama, Washington (USA) and Rotterdam, Netherlands. Products include benzoate preservatives, intermediates, high purity flavor and fragrance ingredients, plasticizers, coalescents, antioxidants, and accelerators. With manufacturing in the United States and Europe and a global sales and distribution network, we serve customers worldwide.

Use preservatives for products during storage safely. Always read the label and product information before use.
Kalaguard® SB is not for food, feed, or pharmaceutical use.



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