

# Summary of product characteristics for a biocidal product

**Product name:** Kalaguard® SB

**Product type(s):** PT06 - Preservatives for products during storage (Preservatives)

**Authorisation number:** IE/BPA 70685

**R4BP 3 asset reference number:** IE-0021316-0000

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## Administrative information

### 1.1. Trade names of the product

Kalaguard® SB
Kalaguard® SB

### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Emerald Kalama Chemical, B.V.
	Address	Montrealweg 15 3197 KH ROTTERDAM Netherlands
<b>Authorisation number</b>	IE/BPA 70685	
<b>R4BP 3 asset reference number</b>	IE-0021316-0000	
<b>Date of the authorisation</b>	13/08/2019	
<b>Expiry date of the authorisation</b>	01/08/2029	

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Emerald Kalama Chemical B.V.
<b>Address of the manufacturer</b>	Mijnweg 1 6167 AC Geleen Netherlands
<b>Location of manufacturing sites</b>	Montrealweg 15 3197 KH Rotterdam Netherlands

### 1.4. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	1423 - Sodium benzoate
<b>Name of the manufacturer</b>	Emerald Kalama Chemical B.V.
<b>Address of the manufacturer</b>	Mijnweg 1 6167 AC Geleen Netherlands
<b>Location of manufacturing sites</b>	Montrealweg 15 3197 KH Rotterdam Netherlands

## 2. Product composition and formulation

### 2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Sodium benzoate		Active Substance		208-534-8	100

### 2.2. Type of formulation

DP - Dustable powder
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## 3. Hazard and precautionary statements

<b>Hazard statements</b>	Causes serious eye irritation.
<b>Precautionary statements</b>	<p>Wash hands thoroughly after handling.</p> <p>Wear eye protection.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If eye irritation persists: Get medical advice.</p> <p>If eye irritation persists: Get medical attention.</p>

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - In-can preservative

<b>Product type</b>	PT06 - Preservatives for products during storage (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Not relevant.
<b>Target organism(s) (including development stage)</b>	Scientific name: Common name: Bacteria Development stage:  Scientific name: Common name: Yeasts Development stage:
<b>Field(s) of use</b>	Indoor  Indoor In-can preservation of dishwashing liquids, laundry products and cleaning liquids.
<b>Application method(s)</b>	Automated or manual dosing during production -  The product is ready-to-use.  Application rate: 5-29.5 g sodium benzoate per L matrix (corresponding to 0.42-2.5% benzoic acid)  Assure that the final formulation does not exceed pH 6, since the preventive properties of the active substance against growth of microorganisms diminishes at pH above 7. The dose strongly depends on the formulation and intended use of the product to which the preservative is added. Therefore, the user should determine dosage requirements for their specific matrix/system to be preserved. The lowest effective dose should be used.

**Application rate(s) and frequencies**

5-29.5 g sodium benzoate per L matrix (corresponding to 0.42-2.5% benzoic acid) - Not applicable. -  
Frequency: The product is added to the articles to be preserved once during their manufacture. Filling of dosage systems used to add the product to the matrix is dependent on production schedule and layout of the factory, but typically in the range of once a week/month to multiple times per day.

**Category(ies) of users**

Industrial

**Pack sizes and packaging material**

Bags 25 kg, polyethylene  
Bags 500 kg, 650 kg, 1000 kg, polypropylene

**4.1.1 Use-specific instructions for use**

See general directions for use

**4.1.2 Use-specific risk mitigation measures**

See general directions for use

**4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

See general directions for use

**4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See general directions for use

**4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

See general directions for use

## 5. General directions for use

### 5.1. Instructions for use

The product Kalaguard® SB is intended to be used as an in-can preservative (PT6) in detergents, including dishwashing liquids, liquid laundry detergent and cleaners. The product is added to the articles needed to be preserved by either automated or manual dosing, to achieve the concentration of 5-29.5 g sodium benzoate per L matrix (corresponding to 0.42-2.5% benzoic acid) in the final product.

The dose strongly depends on the formulation and intended use of the product to which the preservative is added. Therefore, the user should determine dosage requirements for their specific matrix/system to be preserved. The lowest effective dose should be used.

Assure that the final formulation does not exceed pH 6, since the preventive properties of the active substance against growth of microorganisms diminishes at pH above 7.

The activity increases with decreasing pH and diminishes above pH 7, as the active substance is the protonated benzoic acid, and the ratio protonated/deprotonated increases at low pH.

### 5.2. Risk mitigation measures

As a precaution to control dust explosion potential: eliminate ignition sources (e.g., sparks, static build-up, excessive heat, etc.), use spark-proof tools and equipment and prevent accumulation of dust (e.g., well-ventilated conditions, promptly vacuuming spills, cleaning overhead horizontal surfaces, etc.).

Wash hands thoroughly after handling. Wear eye protection.

Wear gloves during mixing and loading while adding Kalaguard® SB to the articles to be preserved (glove material to be specified by the authorisation holder within the product information).

### 5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

Likely direct or indirect adverse effects:

- Eyes, mucosal, respiratory and gastrointestinal tract irritation.

Description of first aid measures:

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: get medical advice/attention

Eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

Ingestion: Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Get medical advice/attention.

Environmental precautions:

Do not flush product into public sewer, water systems or surface waters.

#### 5.4. Instructions for safe disposal of the product and its packaging

Dispose of unused contents (incineration or landfill) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

#### 5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

Shelf-life: 2 years

#### 6. Other information

In addition to the details recorded on the SPC, the following details shall be recorded on the product label(s).

Use Biocides Safely and Sustainably

It is illegal to use this product for uses or in a manner other than that prescribed on this label.

Poison Information: For information or to report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166), retain the label for reference.