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***ANNEX***

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

Kalaguard® SB

**Product type(s)**

PT06: Preservatives for products during storage

**Authorisation number:** 858-1

**R4BP asset number:** DK-0020996-0000

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## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

|               |               |
|---------------|---------------|
| Trade name(s) | Kalaguard® SB |
|---------------|---------------|

### 1.2. Authorisation holder

|  |         |   |
|--|---------|---|
| Name and address of the authorisation holder | Name    | LANXESS Chemical B.V.                                 |
|  | Address | Montrealweg 15 3197 KH ROTTERDAM<br>Netherlands (the) |
| Authorisation number                         |         | 858-1   |
| <i>R4BP asset number</i>                     |         | DK-0020996-0000                                       |
| Date of the authorisation                    |         | 02/08/2019  |
| Expiry date of the authorisation             |         | 01/08/2029  |

### 1.3. Manufacturer(s) of the product

|                                 |   |
|---------------------------------|---|
| Name of manufacturer            | LANXESS Chemical B.V.                                 |
| Address of manufacturer         | Montrealweg 15 3197 KH Rotterdam Netherlands<br>(the) |
| Location of manufacturing sites | Montrealweg 15 3197 KH Rotterdam Netherlands<br>(the) |

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

|                                 |   |
|---------------------------------|---|
| Active substance                | Sodium benzoate                                       |
| Name of manufacturer            | LANXESS Chemical B.V.                                 |
| Address of manufacturer         | Montrealweg 15 3197 KH Rotterdam Netherlands<br>(the) |
| Location of manufacturing sites | Montrealweg 15 3197 KH Rotterdam Netherlands<br>(the) |

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## 2. PRODUCT COMPOSITION AND FORMULATION

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

| Common name     | IUPAC name | Function         | CAS number | EC number | Content (%) |
|-----------------|------------|------------------|------------|-----------|-------------|
| Sodium benzoate |            | active substance |            | 208-534-8 | 100         |

### 2.2. Type(s) of formulation

DP Dustable powder

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### 3. HAZARD AND PRECAUTIONARY STATEMENTS

|                          |  |
|--------------------------|--|
| Hazard statements        | H319: Causes serious eye irritation.   |
| Precautionary statements | P264: Wash hands thoroughly after handling.<br>P280: Wear eye protection.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313: If eye irritation persists: Get medical advice.<br>P337+P313: If eye irritation persists: Get medical attention. |

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. In-can preservative**

|  |  |
|--|--|
| Product type   | PT06: Preservatives for products during storage  |
| Where relevant, an exact description of the authorised use | Not relevant.  |
| Target organism(s) (including development stage)           | Scientific name: no data<br>Common name: Bacteria<br>Development stage: no data<br><br>Scientific name: no data<br>Common name: Yeasts<br>Development stage: no data   |
| Field(s) of use  | indoor use<br><br>Indoor In-can preservation of dishwashing liquids, laundry products and cleaning liquids.  |
| Application method(s)                                      | Method: Automated or manual dosing during production<br><br>Detailed description: Preservation is intended to protect the matrix up to the consumer phase. 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 frequency                          | Application Rate: 5-29.5 g sodium benzoate per L matrix (corresponding to 0.42-2.5% benzoic acid)<br><br>Dilution (%): Not applicable.<br><br>Number and timing of application:<br>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<br>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

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**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

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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 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

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.



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## 6. OTHER INFORMATION

III. Etiketten skal indeholde nedenstående oplysninger. Oplysninger i citationstegn skal angives ordret):

1) I hovedfeltet:

”Konserveringsmiddel

Må kun anvendes som konserveringsmiddel til bekæmpelse af bakterier og gær ved industriel produktion af flydende opvaske-, vaske- og rengøringsmidler.”

2) I advarselsfeltet:

”ADVARSEL

Forårsager alvorlig øjenirritation. (H319)

Bær øjenbeskyttelse.

Vask huden grundigt efter brug.

Overtrædelse af nedenstående særligt fremhævede forskrifter kan medføre straf:

**Må kun anvendes som konserveringsmiddel til bekæmpelse af bakterier og gær ved industriel produktion af flydende opvaske-, vaske- og rengøringsmidler.**

**Må ikke anvendes mod andre skadevoldere og ikke i højere doseringer end de i brugsanvisningen nævnte.**

**Opbevares utilgængeligt for børn.**

**Må ikke opbevares sammen med fødevarer, drikkevarer og foderstoffer.”**

Farepiktogrammet GHS07.

Miljøstyrelsen henleder opmærksomheden på, at godkendelsesindehaver skal anføre oplysninger om førstehjælp, her under:

VED KONTAKT MED ØJNENE: Skyl forsigtigt med vand i flere minutter. Fjern eventuelle kontaktlinser, hvis dette kan gøres let. Fortsæt skylning.

Ved vedvarende øjenirritation: Søg lægehjælp.

Hvis der er brug for lægehjælp, medbring da beholderen eller etiketten.

3) I deklarationsfeltet:

a) Teksten ”Konserveringsmiddel BPR-reg. nr. 858-1. Aktivstof og biocidholdigt produkt er godkendt efter biocidforordningen (Forordning (EU) nr. 528/2012)”.

b) Oplysning om præparattype: ”pulver” for dette præparat.

c) Indholdet af aktivstof i vægtprocent (% w/w) og g/kg.

d) Udløbsdatoen skal anføres. Denne dato må højst være 2 år efter produktionsdatoen. Etikettens dato kan udformes som en henvisning til en produktionsdato andetsteds på emballagen.

e) Batchnummer eller batchbetegnelse skal anføres.

f) Pakningsstørrelse i kg.

g) Godkendelsesindehavers navn og adresse.

4) Brugsanvisningen:

Oplysninger om skadevoldere, anvendelsesområde og doseringer.

Følgende retningslinjer gælder i forhold til bortskaffelse.

Der skal mærkes med sikkerhedssætning P501: ”Indholdet/holderen bortskaffes i overensstemmelse med kommunale regler for affaldshåndtering.”

Derudover skal mærkningen ske efter retningslinjerne:

”Rester skal afleveres til den kommunale affaldsordning for farligt affald. Tomme beholdere kan bortskaffes med dagrenovationen.”