

Summary of product characteristics for a biocidal product family

Family name: Hypochlorite family - Arkema

Product type(s): PT04 - Food and feed area (Disinfectants)

PT05 - Drinking water (Disinfectants)

Authorisation number: FR-2021-0004

R4BP 3 asset reference number: FR-0020526-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

Hypochlorite family - Arkema

1.2. Product type(s)

PT04 - Food and feed area (Disinfectants)

PT05 - Drinking water (Disinfectants)

1.3. Authorisation holder

Name and address of the authorisation holder

Name	ARKEMA FRANCE
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Address	420 rue d'Estienne d'Orves 92700 COLOMBES France
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Authorisation number

FR-2021-0004

R4BP 3 asset reference number

FR-0020526-0000

Date of the authorisation

09/02/2021

Expiry date of the authorisation

08/02/2031

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer

ARKEMA FRANCE - USINE DE JARRIE

Address of the manufacturer

420 rue d'Estienne d'Orves 92705 Colombes Cedex France

Location of manufacturing sites

Route National 85, BP 1 38560 JARRIE France

Name of the manufacturer	BRENNTAG
Address of the manufacturer	BRENNTAG CHASSIEU - 5 rue arago BP 19 69682 CHASSIEU cedex France
Location of manufacturing sites	BRENNTAG MIDI PYRENEES - 1038 Avenue des Terres Noires 81370 SAINT SULPICE France
	BRENNTAG NORMANDIE - 12 Sente des Jumelles 76710 MONTVILLE France
	BRENNTAG MEDITERRANEE - 21 Boulevard de l'Europe 13127 VITROLLES France
	BRENNTAG LOIRE BRETAGNE - 14 route de Plessis Bouchet 44802 SAINT HERBLAIN France
	BRENNTAG MAINE BRETAGNE - ZI de la promenade 53290 GREZ EN BOUERE France
	BRENNTAG CHASSIEU - 5 rue arago BP 19 69682 CHASSIEU cedex France
	BRENNTAG ILE-DE-France - ZAC du closeau Impasse Lavoisier 77220 TOURNAN EN BRIE France

1.5. Manufacturer(s) of the active substance(s)

Active substance	1391 - Active chlorine released from sodium hypochlorite
Name of the manufacturer	ARKEMA FRANCE - USINE DE JARRIE
Address of the manufacturer	Route National 85, BP 1 38560 JARRIE France
Location of manufacturing sites	Route National 85, BP 1 38560 JARRIE France

2. Product family composition and formulation

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active Substance	7681-52-9	231-668-3	12,5 - 12,5

2.2. Type(s) of formulation

SL – Soluble concentrate, liquid, water based

Part II.- Second information level - meta SPC(s)

1. Meta SPC administrative information

1.1. Meta SPC identifier

META SPC 1

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT04 - Food and feed area (Disinfectants)

PT05 - Drinking water (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active Substance	7681-52-9	231-668-3	12,5 - 12,5

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SL – Soluble concentrate, liquid, water based

3. Hazard and precautionary statements of the meta SPC

Hazard statements

May be corrosive to metals.
Causes severe skin burns and eye damage.
Very toxic to aquatic life with long lasting effects.
Contact with acids liberates toxic gas.
Warning! Do not use together with other products. May release dangerous gases (chlorine).
Corrosive to the respiratory tract.

Precautionary statements

Do not breathe .
Wash thoroughly after handling.
Avoid release to the environment.
Wear .
IF SWALLOWED:Rinse mouth.Do NOT induce vomiting.
IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with .
Wash contaminated clothing before reuse.
IF INHALED:Remove person to fresh air and keep comfortable for breathing.
Immediately call a .
Specific treatment (see on this label).
IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing.
Collect spillage.
Store locked up.
Dispose of to .

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Disinfection of inner surfaces in human drinking water systems (pipes, reservoirs, other equipments) - filling or spraying

Product type	PT04 - Food and feed area (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant for this use.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: Scientific name: Yeasts Common name: Yeasts Development stage:
Field(s) of use	Indoor -
Application method(s)	Method: Spraying Detailed description: Disinfection of equipment by spraying (low pressure). The product is pumped into the reservoir of the pressure cleaner. The dilution is not performed manually. Method: Filling Detailed description: Disinfection of equipment by filling with solution. The product is pumped directly into the system (filling of equipment with disinfectant solution).
Application rate(s) and frequencies	Application Rate: 2.0 mg av. Cl/L Dilution (%): The product is diluted to 0.0013% (v/v) to obtain an in-use concentration of 2 mg/L of av. Cl/L. Number and timing of application: Contact time: 15 minutes, at 20 °C Application Rate: 2.0 mg av. Cl/L Dilution (%): 0.0013 Number and timing of application: 2.0 mg av. Cl/L - The product is diluted to 0.0013% (v/v) to obtain an in-use concentration of 2 mg/L of av. Cl/L. Contact time: 15 minutes, at 20 °C
Category(ies) of users	Industrial Professional

Pack sizes and packaging material

HDPE Jerrycan 30 – 60L

HDPE Drum 60 – 220L

HDPE IBC: 600 – 1000L

4.1.1 Use-specific instructions for use

- Apply only on non porous surfaces
- Inform the registration holder if the treatment is ineffective.
- Clean carefully the surfaces before application of the product
- The diluted solution should be used immediately.

For spraying application:

- Dose the concentrate in the reservoir of the pressure cleaner to obtain an in-use concentration of 2.0 mg av. Cl/L (dilution 0.0013% (v/v)).
- Use a pressure washer or other mechanical sprayer to apply the diluted solution at an application rate of 40 mL/m².
- Make sure to wet surfaces completely. Allow to take effect for at least 15 minutes, then rinse (low pressure) with clean water.

For filling application :

- Fill the equipment with the solution by dosing the concentrate to obtain an in-use concentration of 2.0 mg av. Cl/L (dilution 0.0013% (v/v)).
- Make sure to wet surfaces completely. Allow to take effect for at least 15 minutes, then rinse (low pressure) with clean water.

4.1.2 Use-specific risk mitigation measures

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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

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

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

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4.2 Use description

Use 2 - Disinfection of inner surfaces in veterinary water systems (pipes, reservoirs, other equipments) by filling or spraying

Product type	PT04 - Food and feed area (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant for this use.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: Scientific name: Yeast Common name: Yeast Development stage:
Field(s) of use	Indoor -
Application method(s)	Method: Spraying Detailed description: Disinfection of equipment by spraying (low pressure).

The product is pumped into the reservoir of the pressure cleaner. The dilution is not performed manually.

Method: Filling
Detailed description:
Disinfection of equipment by filling with solution.

The product is pumped directly into the system (filling of equipment with disinfectant solution).

Application rate(s) and frequencies

Application Rate: 2.0 mg av. Cl/L
Dilution (%): The product is diluted at 0.0013% (v/v) to obtain an in-use concentration of 2 mg av. Cl/L.
Number and timing of application:
Contact time: 15 minutes, at 20 °C.

Application Rate: 2.0 mg av. Cl/L
Dilution (%): 0,0013
Number and timing of application:
2.0 mg av. Cl/L - The product is diluted at 0.0013% (v/v) to obtain an in-use concentration of 2 mg av. Cl/L.

Contact time: 15 minutes, at 20 °C.

Category(ies) of users

Industrial
Professional

Pack sizes and packaging material

HDPE Jerrycan 30 – 60L
HDPE Drum 60 – 220L
HDPE IBC: 600 – 1000L

4.2.1 Use-specific instructions for use

- Apply only on non porous surfaces
- Inform the registration holder if the treatment is ineffective.
- Clean carefully the surfaces before application of the product
- The diluted solution should be used immediately.

For spraying application:

- Dose the concentrate in the reservoir of the pressure cleaner to obtain an in-use concentration of 2.0 mg av. Cl/L (dilution 0.0013% (v/v)).
- Use a pressure washer or other mechanical sprayer to apply the diluted solution at an application rate of 40 ml/m².
- Make sure to wet surfaces completely. Allow to take effect for at least 15 minutes, then rinse (low pressure) with clean water.

For filling application:

- Fill the equipment with the solution by dosing the concentrate to obtain an in-use concentration of 2.0 mg av. Cl/L (dilution 0.0013% (v/v)).
- Make sure to wet surfaces completely. Allow to take effect for at least 15 minutes, then rinse (low pressure) with clean water.

4.2.2 Use-specific risk mitigation measures

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

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

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

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4.3 Use description

Use 3 - Disinfection of water in drinking water companies

Product type	PT05 - Drinking water (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant for this use.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: Scientific name: Viruses Common name: Viruses Development stage:
Field(s) of use	Indoor Outdoor -
Application method(s)	Method: Closed system - Direct application and dilution Detailed description: Continuous application into water in drinking water systems by drinking water suppliers
Application rate(s) and frequencies	Application Rate: 0.2 mg av Cl/L Dilution (%): The product is diluted at 0.00013% (v/v) to obtain an in-use concentration of 0.2 mg av Cl/L /L of active chlorine. Number and timing of application: time delay: 25 minutes at 15 °C
Category(ies) of users	Industrial Professional

Pack sizes and packaging material

HDPE Jerrycan 30 – 60L
HDPE Drum 60 – 220L
HDPE IBC: 600 – 1000L

4.3.1 Use-specific instructions for use

- Dose the concentrate in the drinking water system in order to apply an in-use concentration of 0.2 mg av Cl/L (dilution 0.00013% (v/v)) to water.
- National limits on the applied concentration of available chlorine in the water may apply.

4.3.2 Use-specific risk mitigation measures

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

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

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

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4.4 Use description

Use 4 - Disinfection of veterinary water

Product type	PT05 - Drinking water (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant for this use.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: Scientific name: Viruses Common name: Viruses Development stage:
Field(s) of use	Indoor Outdoor -
Application method(s)	Method: Closed system - direct application and dilution Detailed description: Continuous application into water in drinking water systems by drinking water supplier
Application rate(s) and frequencies	Application Rate: 0.2 mg av Cl /L Dilution (%): The product is diluted at 0.00013% (v/v) to obtain an in-use concentration of 0.2 mg av. Cl/L Number and timing of application: time delay: 25 minutes at 15 °C
Category(ies) of users	Industrial Professional
Pack sizes and packaging material	HDPE Jerrycan 30 – 60L HDPE Drum 60 – 220L HDPE IBC: 600 – 1000L

4.4.1 Use-specific instructions for use

- Dose the concentrate in the drinking water system in order to apply an in-use concentration of 0.2 mg av. Cl/L (dilution 0.00013% (v/v)) to water.
- National limits on the applied concentration of available chlorine in the water may apply.

4.4.2 Use-specific risk mitigation measures

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

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

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

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5. General directions for use of the meta SPC

5.1. Instructions for use

- Always read the label or leaflet before use and follow all the instructions provided.
- Respect the conditions of use of the product (concentration, contact time, temperature, pH, etc.).
- Inform the registration holder if the treatment is ineffective.
- Products should not be used in conjunction with acids or ammonia

5.2. Risk mitigation measures

During semi-automatic pumping of the product, wear :

- protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information),
- coated coverall (at least category III type 6),
- a respiratory mask at least APF 10 (respiratory mask type to be specified by the authorisation holder within the product information),
- goggles

During maintenance/cleaning of dosing pumps, wear:

- protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information),
- coated coverall (at least category III type 6),
- a respiratory mask (respiratory mask type to be specified by the authorisation holder within the product information),
- goggles

The professional bystander needs to observe the same type of RPE as the worker during semi-automatic pumping of the product (APF 10) and maintenance of dosing pumps (any substance/task respirator).

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

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- In case of impaired consciousness place in recovery position and seek medical advice immediately.

- Keep the container or label available.

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

- Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains
- Dispose of unused product, its packaging and all other waste, in accordance with local regulations

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

- Do not store above 30°C
- Store away from light
- Shelf life: 14 days.

6. Other information

Please note that some member states including France, after primary disinfection, request to maintain a residual level of available chlorine in drinking water in the pipes as a precautionary measure. This additional amount, claimed by the applicant as "Secondary disinfection: 0.2 mg/L available chlorine (residual)" has been considered as covered by the primary disinfection.

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Javel Standard

Market area: FR

Authorisation number

FR-0020526-0001 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active Substance	7681-52-9	231-668-3	12,5
