Summary of product characteristics for a biocidal product family

Family name: TEAT DISINFECTANTS BIOCIDAL PRODUCT FAMILY OF CVAS

Product type(s): PT03 - Veterinary hygiene (Disinfectants)

Authorisation number: EU-0018724-0000

R4BP 3 asset reference number: EU-0018724-0000

Table Of Contents

Part I.- First information level

1. Administrative information

1.1. Family name

TEAT DISINFECTANTS BIOCIDAL PRODUCT FAMILY OF CVAS

1.2. Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

1.3. Authorisation holder

Name and address of the authorisation holder	Name	CVAS Development GmbH
	Address	Dr. Albert Reimann Str. 16 a 68526 Ladenburg Germany
Authorisation number	EU-0018724-0000	

R4BP 3 asset reference number	EU-0018724-0000
Date of the authorisation	18/12/2018
Expiry date of the authorisation	30/11/2028

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer	Calvatis GmbH
Address of the manufacturer	Dr. Albert Reimann Str. 16a 68526 Ladenburg Germany
Location of manufacturing sites	Dr. Albert Reimann Str. 16a 68526 Ladenburg Germany

Name of the manufacturer	Arthur Schopf Hygiene GmbH & Co. KG
Address of the manufacturer	Pfaffensteinstr. 1 83115 Neubeuern Germany
Location of manufacturing sites	Pfaffensteinstr. 1 83115 Neubeuern Germany

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

Active substance	1319 - Iodine
Name of the manufacturer	Cosayach Nitratos S.A.
Address of the manufacturer	Amunategui 178 not applicable Santiago Chile
Location of manufacturing sites	S.C.M. Cosayach Cala Cala not applicable Pozo Almonte Chile

Active substance	1319 - Iodine
Name of the manufacturer	ACF Minera S.A.
Address of the manufacturer	San Martin No 499 not applicable Iquique Chile
Location of manufacturing sites	Lagunas mine not applicable Pozo Almonte Chile

Active substance	1319 - Iodine
Name of the manufacturer	SQM S.A.
Address of the manufacturer	Los Militares 4290, Piso 4 not applicable Las Condes Chile
Location of manufacturing sites	Nueva Victoria plant not applicable Pedro de Valdivia plant Chile

Active substance	1319 - Iodine
Name of the manufacturer	Nihon Tennen Gas Co., Ltd / Kanto Natural Gas Development Co., Ltd
Address of the manufacturer	661 Mobara 297-8550 Mobara City, Chiba Japan
Location of manufacturing sites	2508 Minami-Hinata 299-4205 Shirako-Machi, Chosei-Gun, Chiba Japan

Active substance	1349 - Polyvinylpyrrolidone iodine
Name of the manufacturer	Norkem Limited
Address of the manufacturer	Norkem House, Bexton Lane WA 16 9FB Knutsford, Cheshire United Kingdom
Location of manufacturing sites	Norkem House, Bexton Lane WA 16 9FB Knutsford, Cheshire United Kingdom

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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0,54
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0 - 4,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0,33

2.2. Type(s) of formulation

AL - Any other liquid

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)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,16 - 1,5
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0

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

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Precautionary statements

If medical advice is needed, have product container or label at hand. Keep out of reach of children.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #1.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use.
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #1.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant.

Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - See instructions for use.
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.2.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water (at least 15 minutes).
After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.
If medical advice is needed, have product container or label at hand.

Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under normal surroundings terms (ambient temperature).
Possibility of hazardous reactions: By designated use no dangerous reactions are to be expected.
Conditions to avoid: Not determined.
Incompatible materials: Not determined.
Hazardous decomposition products: No dangerous decomposition products known.
Accidental release measures
Personal precautions, protective equipment and emergency procedures: Wear protective clothing.
Ensure adequate ventilation.
Keep ignition sources away - Do not smoke.
Environmental precautions: Do not allow to enter drainage system, surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods: Hazardous waste (AVV). Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

Recommended cleaning agent: Water, if needed detergent

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

Shelf-life: 18 months

Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)	Dip es barriere	Market area: EU
	Dip es barriere 1.4	Market area: EU
	Iod Dip F 14 P	Market area: EU
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0001 1-1	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 2

1.2. Suffix to the authorisation number

1-2

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,56 - 2,5
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0

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

Formulation(s)	AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	Harmful to aquatic life with long lasting effects.
Precautionary statements	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid release to the environment. Dispose of contents to local/regional/national/international regulation. Dispose of container to local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 2.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - see use instructions
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh

disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #2.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells

Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - see instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.2.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water (at least 15 minutes).
After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.
If medical advice is needed, have product container or label at hand.
Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under normal surroundings terms (ambient temperature).
Possibility of hazardous reactions: By designated use no dangerous reactions are to be expected.
Conditions to avoid: Not determined.
Incompatible materials: Not determined.
Hazardous decomposition products: No dangerous decomposition products known.
Accidental release measures
Personal precautions, protective equipment and emergency procedures: Wear protective clothing.
Ensure adequate ventilation.
Keep ignition sources away - Do not smoke.
Environmental precautions: Do not allow to enter drainage system, surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal

binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods: Hazardous waste (AVV). Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Recommended cleaning agent: Water, if needed detergent.

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

Shelf-life: 18 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)

Dip es Io-film	Market area: EU
Dip es Io-film 3.0	Market area: EU
Iod-Dip Io-film 30	Market area: EU

Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0002 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		2,5
Acetic acid	Acetic acid		64-19-7	200-580-7	0

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 3

1.2. Suffix to the authorisation number

1-3

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,56 - 4,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0

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

Formulation(s)	AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	Harmful to aquatic life with long lasting effects.
Precautionary statements	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid release to the environment. Dispose of contents to local/regional/national/international regulation. Dispose of container to local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #3.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells

	Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use
Application rate(s) and frequencies	5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #3.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - See instructions for use

Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.2.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water (at least 15 minutes).
After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.
If medical advice is needed, have product container or label at hand.
Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under normal surroundings terms (ambient temperature).
Possibility of hazardous reactions: By designated use no dangerous reactions are to be expected.
Conditions to avoid: Not determined.
Incompatible materials: Not determined.
Hazardous decomposition products: No dangerous decomposition products known.
Accidental release measures
Personal precautions, protective equipment and emergency procedures: Wear protective clothing.
Ensure adequate ventilation.
Keep ignition sources away - Do not smoke.
Environmental precautions: Do not allow to enter drainage system, surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods: Hazardous waste (AVV). Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.
At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Recommended cleaning agent: Water, if needed detergent.

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

Shelf-life: 18 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)	Dip es barriere S	Market area: EU
	Dip es barriere 3.0	Market area: EU
	Iod-Dip F 30 P	Market area: EU
	Baktostop Barier color	Market area: EU
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0003 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		2,5
Acetic acid	Acetic acid		64-19-7	200-580-7	0

Trade name(s)

Dip es barriere RS	Market area: EU
Dip es barriere 5.0	Market area: EU
Iod-Dip F 50 P	Market area: EU
BaktoStop barier	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0018724-0004 1-3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		4,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 4

1.2. Suffix to the authorisation number

1-4

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0,3
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,56 - 2,5
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0

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

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful to aquatic life with long lasting effects.

Precautionary statements

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid release to the environment. Dispose of contents to local/regional/national/international regulation. Dispose of container to local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #4.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #4.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using a trigger sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using a trigger sprayer - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the top of the trigger sprayer on it. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, spray the disinfectant on the teats using the trigger sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Refill the reservoir of the trigger sprayer with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.

4.2.2 Use-specific risk mitigation measures

Use chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) during post-milking teat disinfection by manual spraying using a trigger sprayer.
Avoid working in a spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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.

4.3 Use description

Use 3 - Use #4.3 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using an electronic sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking

Application method(s)	Manual spraying using an electronic sprayer - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.3.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product assuming 5 mL product per cow and insert a sucking lance of the electronic sprayer. Avoid discharge of surplus fluids.
Clean carefully the teats by wiping with a single service paper towel/cloth before milking.
After milking, spray the disinfectant on the teats using the electronic sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Replace the empty can by a new can containing the RTU product as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, put the sucking lance system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.

4.3.2 Use-specific risk mitigation measures

Use chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) during post-milking teat disinfection by manual spraying using an electronic sprayer.
Avoid working in spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.3.5 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.

4.4 Use description

Use 4 - Use #4.4 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional

Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.4.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.4.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.4.5 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.

4.5 Use description

Use 5 - Use #4.5 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated spraying by robot

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated spraying by robot - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.5.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the robotic milking device. Avoid discharge of surplus fluids.
The teats are cleaned by robot with automatic brushes.
After robotic milking, the disinfectant is sprayed automatically onto teats from a cluster arm.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.

Rinsing of the sprayer is automatic.

4.5.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.5.3 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.

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

See general directions for use.

4.5.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water (at least 15 minutes).
After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.
If medical advice is needed, have product container or label at hand.
Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under normal surroundings terms (ambient temperature).
Possibility of hazardous reactions: By designated use no dangerous reactions are to be expected.
Conditions to avoid: Not determined.
Incompatible materials: Not determined.
Hazardous decomposition products: No dangerous decomposition products known.
Accidental release measures
Personal precautions, protective equipment and emergency procedures:
Wear protective clothing.
Ensure adequate ventilation.
Keep ignition sources away - Do not smoke.
Environmental precautions: Do not allow to enter drainage system, surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods: Hazardous waste (AVV). Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.
At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Recommended cleaning agent: Water, if needed detergent.

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

Shelf-life: 18 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)	Dip es silver	Market area: EU
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0005 1-4	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		2,5
Acetic acid	Acetic acid		64-19-7	200-580-7	0

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 5

1.2. Suffix to the authorisation number

1-5

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,16 - 1,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0

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

Formulation(s)	AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	
Precautionary statements	If medical advice is needed, have product container or label at hand. Keep out of reach of children.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #5.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria

	Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #5.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using a trigger sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using a trigger sprayer - See instructions for use.
	cows: 5 mL per treatment - 0% -

Application rate(s) and frequencies	Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the top of the trigger sprayer on it. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, spray the disinfectant on the teats using the trigger sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Refill the reservoir of the trigger sprayer with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.

4.2.2 Use-specific risk mitigation measures

Avoid working in a spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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.

4.3 Use description

Use 3 - Use #5.3 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using an electronic sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using an electronic sprayer - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.3.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product assuming 5 mL product per cow and insert a sucking lance of the electronic sprayer. Avoid discharge of surplus fluids.
Clean carefully the teats by wiping with a single service paper towel/cloth before milking.
After milking, spray the disinfectant on the teats using the electronic sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Replace the empty can by a new can containing the RTU product as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, put the sucking lance system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.

4.3.2 Use-specific risk mitigation measures

Avoid working in a spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.3.5 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.

4.4 Use description

Use 4 - Use #5.4 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant

Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.4.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.4.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.4.5 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 (section 5).

4.5 Use description

Use 5 - Use #5.5 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated spraying by robot

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated spraying by robot - See instructions for use

Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.5.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the robotic milking device. Avoid discharge of surplus fluids.
The teats are cleaned by robot with automatic brushes.
After robotic milking, the disinfectant is sprayed automatically onto teats from a cluster arm.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Rinsing of the sprayer is automatic.

4.5.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.5.3 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.

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

See general directions for use.

4.5.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water (at least 15 minutes).
After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.
If medical advice is needed, have product container or label at hand.
Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under normal surroundings terms (ambient temperature).
Possibility of hazardous reactions: By designated use no dangerous reactions are to be expected.
Conditions to avoid: Not determined.
Incompatible materials: Not determined.
Hazardous decomposition products: No dangerous decomposition products known.
Accidental release measures
Personal precautions, protective equipment and emergency procedures:
Wear protective clothing.
Ensure adequate ventilation.
Keep ignition sources away - Do not smoke.
Environmental precautions: Do not allow to enter drainage system, surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods: Hazardous waste (AVV). Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.
At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual

waste water treatment plant.
Recommended cleaning agent: Water, if needed detergent.

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

Shelf-life: 18 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)	Dip es SF	Market area: EU
	Dip es SF 3.0	Market area: EU
	Iod Dip S 30 P	Market area: EU
	Dip es SF 1.4	Market area: EU
	Iod-Dip S 14 P	Market area: EU
	EUTADIPP	Market area: EU
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0006 1-5	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 6

1.2. Suffix to the authorisation number

1-6

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0 - 0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,16 - 1,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0 - 0

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

Formulation(s)	AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	
Precautionary statements	If medical advice is needed, have product container or label at hand. Keep out of reach of children.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #6.1 - Teat disinfection of milkable animals: Pre-milking teat disinfection by manual foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use before milking
Application method(s)	Manual foaming using a foam cup - See instructions for use
	Cows: 5 mL per treatment - 0% -

Application rate(s) and frequencies	Pre-milking application: 2-3x/day (before each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the foam cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth before pre-milking disinfection.
Before milking, squeeze the reservoir and put the foam cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Leave the product on the teats for at least 60 seconds.
Refill the cup of the foaming unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After disinfection, empty the reservoir and clean reservoir and foam cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

This product can be used for pre- and post-milking disinfection in combination. However, it should not be used in combination with a different iodine-based product

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.

4.2 Use description

Use 2 - Use #6.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual foaming using a foam cup - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the foam cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the foam cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the foaming unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and foam cup by rinsing with water.

4.2.2 Use-specific risk mitigation measures

This product can be used for pre- and post-milking disinfection in combination. However, it should not be used in combination with a different iodine-based product

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

See general directions for use.

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

See general directions for use.

4.2.5 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.

4.3 Use description

Use 3 - Use #6.3 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells

	Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated foaming - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.3.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated foaming-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat disinfectant is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of foam when the teat foam cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated foaming-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.3.2 Use-specific risk mitigation measures

This product can be used for pre- and post-milking disinfection in combination. However, it should not be used in combination with a different iodine-based product

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

See general directions for use.

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

See general directions for use.

4.3.5 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.

4.4 Use description

Use 4 - Use #6.4 – Teat disinfection of milkable animals: Pre- and post-milking teat disinfection by manual foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use before and after milking
Application method(s)	Manual foaming using a foam cup - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Pre- and post-milking application: 4-6 times per day (before and after each milking)

Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.4.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the foam cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth before pre-milking disinfection.
Before milking, squeeze the reservoir and put the foam cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Leave the product on the teats for at least 60 seconds.
Clean the teats carefully by wiping with a cloth immediately before milking. After milking, repeat the disinfection by foaming as described above.
Refill the cup of the foaming unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and foam cup by rinsing with water.

4.4.2 Use-specific risk mitigation measures

This product can be used for pre- and post-milking disinfection in combination. However, it should not be used in combination with a different iodine-based product

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

See general directions for use.

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

See general directions for use.

4.4.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water (at least 15 minutes).
After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.
If medical advice is needed, have product container or label at hand.
Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under normal surroundings terms (ambient temperature).
Possibility of hazardous reactions: By designated use no dangerous reactions are to be expected.
Conditions to avoid: Not determined.
Incompatible materials: Not determined.
Hazardous decomposition products: No dangerous decomposition products known.
Accidental release measures
Personal precautions, protective equipment and emergency procedures:
Wear protective clothing.
Ensure adequate ventilation.
Keep ignition sources away - Do not smoke.
Environmental precautions: Do not allow to enter drainage system, surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods: Hazardous waste (AVV). Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.
At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Recommended cleaning agent: Water, if needed detergent.

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

Shelf-life: 18 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)

Dip es Io-foam	Market area: EU
Dip es Io-foam 1.4	Market area: EU
Iod-Dip Io-foam	Market area: EU
BaktoStop foam	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)	EU-0018724-0007 1-6

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,16
Acetic acid	Acetic acid		64-19-7	200-580-7	0

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 7

1.2. Suffix to the authorisation number

1-7

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,14 - 0,14
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0 - 0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,11 - 0,33

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

Formulation(s)	AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Dispose of contents to local/regional/national/international regulation. Dispose of container to local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #7.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells

Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking. After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #7.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual foaming using a foam cup - See instructions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional

Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the foam cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the foam cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the foaming unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and foam cup by rinsing with water.

4.2.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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.

4.3 Use description

Use 3 - Use #7.3 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using a trigger sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using a trigger sprayer - See instrcuctions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.3.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.

Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the top of the trigger sprayer on it. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, spray the disinfectant on the teats using the trigger sprayer making sure that about 3 cm of the teat around the streak

canal are covered with the disinfectant.
Refill the reservoir of the trigger sprayer with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.

4.3.2 Use-specific risk mitigation measures

Use chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) during post-milking teat disinfection by manual spraying using a trigger sprayer.
Avoid working in spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.3.5 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.

4.4 Use description

Use 4 - Use #7.4 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using an electronic sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells

Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using an electronic sprayer - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.4.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Open a can containing the RTU product assuming 5 mL product per cow and insert a sucking lance of the electronic sprayer. Avoid discharge of surplus fluids.
Clean carefully the teats by wiping with a single service paper towel/cloth before milking.
After milking, spray the disinfectant on the teats using the electronic sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Replace the empty can by a new can containing the RTU product as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, put the sucking lance system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.

4.4.2 Use-specific risk mitigation measures

Use chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) during post/milking teat disinfection by manal spraying using an electronic sprayer.
Avoid working in spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.4.5 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.

4.5 Use description

Use 5 - Use #7.5 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)

Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.5.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.5.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.5.3 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.

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

See general directions for use.

4.5.5 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.

4.6 Use description

Use 6 - Use #7.6 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated foaming - see instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.6.1 Use-specific instructions for use

4.6.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated foaming-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat disinfectant is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of foam when the teat foam cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated foaming-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.6.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.6.3 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.

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

See general directions for use.

4.6.5 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 (section 5).

4.7 Use description

Use 7 - Use #7.7 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated spraying by robot

Product type	PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated spraying by robot - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.7.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the robotic milking device. Avoid discharge of surplus fluids.
The teats are cleaned by robot with automatic brushes.
After robotic milking, the disinfectant is sprayed automatically onto teats from a cluster arm.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Rinsing of the sprayer is automatic.

4.7.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.7.3 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.

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

See general directions for use.

4.7.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Wash with water and soap.
After eye contact: Rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing: Rinse out mouth and then drink plenty of water. Seek immediate medical advice.
Stability and reactivity
Possibility of hazardous reactions: Reaction with oxidant- and reducing agent.
Conditions to avoid: No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: iodine (when warming up).

Accidental release measures
Personal precautions, protective equipment and emergency procedures: No special measures required.
Environmental precautions: Do not allow product to reach sewage systems or water bodies in great quantities.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods
Recommendation: Must be specially treated with regard to official regulations.
Waste disposal key number: Corresponding to the regulation of the European Waste catalogue the relation of the waste key numbers has to be made specific to industry and process.
European waste catalogue: Corresponding to the regulation of the EWC the relation of the waste key numbers has to be made specific to industry and process.

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Recommended cleaning agent: Water, if necessary with cleaning agent.

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

Shelf-life: 24 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)	calgodip D 1200	Market area: EU
	Jod-Dip S 12	Market area: EU
	Dip es SF 1200	Market area: EU
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0008 1-7	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,14
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,15

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 8

1.2. Suffix to the authorisation number

1-8

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,14 - 0,54
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0 - 0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,11 - 0,33

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

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

Dispose of contents to local/regional/national/international regulation.

Dispose of container to local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #8.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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 (section 5).

4.2 Use description

Use 2 - Use #8.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking

Application method(s)	Automated dipping - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.2.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Wash with water and soap. If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
After swallowing: Rinse out mouth and then drink plenty of water. Seek medical treatment.
Stability and reactivity
Reactivity: No further relevant information available.
Chemical stability/thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: iodine (when warming up).

Accidental release measures
Personal precautions, protective equipment and emergency procedures: No special measures required.
Environmental precautions: Do not allow product to reach sewage systems or water bodies in great quantities.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binder). Do not use combustible material like sawdust. Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods
Recommendation: Must be specially treated with regard to official regulations.
Waste disposal key number: Corresponding to the regulation of the European Waste catalogue the relation of the waste key numbers has to be made specific to industry and process.
European waste catalogue: Corresponding to the regulation of the EWC the relation of the waste key numbers has to be made specific to industry and process.

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Shelf-life: 24 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)

calgodip D 3000 Film	Market area: EU
Jod-Dip F 30	Market area: EU
Jod Dipp 30 Film (Technolit)	Market area: EU

Jod 30 Film (Iwetec)	Market area: EU
Dip es barriere 3000	Market area: EU
Lerapur Dip Jod 30	Market area: EU
BaktoStop barrier color 3.0	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0018724-0009 1-8

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,34
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,26

Trade name(s)

calgodip D 5000	Market area: EU
Jod Dip F 50	Market area: EU
Jod Dipp 50 (Iwetec)	Market area: EU
Jod-Dipp 50 (Technolit)	Market area: EU

Dip es barriere 5000	Market area: EU
BaktoStop barrier 5.0	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0018724-0010 1-8

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,54
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,26

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 9

1.2. Suffix to the authorisation number

1-9

1.3 Product type(s)

PT03 - Veterinary hygiene (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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,34 - 0,34
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0 - 0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,11 - 0,33

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

Formulation(s)	AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Dispose of contents to local/regional/national/international regulation. Dispose of container to local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #9.1 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant

Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual dipping using a dip cup - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.1.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the dip cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking. After milking, squeeze the reservoir and put the dip cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the dipping unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

4.1.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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.

4.2 Use description

Use 2 - Use #9.2 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual foaming using a foam cup - See instructions for use
	Cows: 5 mL per treatment - 0% -

Application rate(s) and frequencies	Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.2.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the foam cup on top. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, squeeze the reservoir and put the foam cup over each teat from below making sure that about 3 cm of the teat are immersed into the disinfectant.
Refill the cup of the foaming unit with fresh disinfectant by squeezing the reservoir as needed. Refill the reservoir with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and foam cup by rinsing with water.

4.2.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.2.5 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.

4.3 Use description

Use 3 - Use #9.3 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using a trigger sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using a trigger sprayer - See instrcuctions for use
Application rate(s) and frequencies	Cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.3.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill the reservoir with the RTU product assuming 5 mL product per cow and screw the top of the trigger sprayer on it. Avoid discharge of surplus fluids.
Clean the teats carefully by wiping with a single service paper towel/cloth immediately before milking.
After milking, spray the disinfectant on the teats using the trigger sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Refill the reservoir of the trigger sprayer with fresh disinfectant as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.

4.3.2 Use-specific risk mitigation measures

Use chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), coverall and chemical resistant boots during post-milking teat disinfection by manual spraying using a trigger sprayer.
Avoid working in spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.3.5 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.

4.4 Use description

Use 4 - Use #9.4 - Teat disinfection of milkable animals: Post-milking teat disinfection by manual spraying using an electronic sprayer

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria

	Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Manual spraying using an electronic sprayer - See instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2-3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.4.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product assuming 5 mL product per cow and insert a sucking lance of the electronic sprayer. Avoid discharge of surplus fluids.
Clean carefully the teats by wiping with a single service paper towel/cloth before milking.
After milking, spray the disinfectant on the teats using the electronic sprayer making sure that about 3 cm of the teat around the streak canal are covered with the disinfectant.
Replace the empty can by a new can containing the RTU product as needed.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection, put the sucking lance system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.

4.4.2 Use-specific risk mitigation measures

Use chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), coverall and chemical resistant boots during post-milking teat disinfection by manal spraying using an electronic sprayer.
Avoid working in spray mist.
In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

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

See general directions for use.

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

See general directions for use.

4.4.5 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.

4.5 Use description

Use 5 - Use #9.5 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated dipping

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated dipping - See instructions for use

Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.5.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated dipping-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of dip when the teat cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated dipping-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.5.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.5.3 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.

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

See general directions for use.

4.5.5 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.

4.6 Use description

Use 6 - Use #9.6 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated foaming

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated foaming - see instructions for use
Application rate(s) and frequencies	cows: 5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.6.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the automated foaming-system. Avoid discharge of surplus fluids.
After milking, the vacuum is shut off and the teat disinfectant is injected into a manifold on the clawpiece. The teats are coated with ca. 5 mL of foam when the teat foam cup is withdrawn by the Automatic Cluster Removal (ACR). After the removal of the ACR, every liner of the automated foaming-system is thoroughly rinsed with water and blown out with compressed air.
In a final cleaning step after each milking session of the herd, the liners are disinfected (e.g. with a chlorine-based product) and blown out again with compressed air.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Afterwards, the milking system is ready for the next milking event.
The whole process is automated.

4.6.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.6.3 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.

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

See general directions for use.

4.6.5 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.

4.7 Use description

Use 7 - Use #9.7 - Teat disinfection of milkable animals: Post-milking teat disinfection by automated spraying by robot

Product type	PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: vegetative cells Scientific name: Yeasts Common name: Yeasts Development stage: vegetative cells
Field(s) of use	Indoor Teat disinfection for milkable animals (dairy cows) for use after milking
Application method(s)	Automated spraying by robot - See instructions for use
Application rate(s) and frequencies	co5 mL per treatment - 0% - Post-milking application: 2 - 3x/day (after each milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerrycan (HDPE): 5 – 60 kg Drum (HDPE): 60 – 200 kg IBC (HDPE): 600 - 1000 kg

4.7.1 Use-specific instructions for use

The product must be brought to a temperature above 20°C before use.
Open a can containing the RTU product and insert a suction tube of the robotic milking device. Avoid discharge of surplus fluids.
The teats are cleaned by robot with automatic brushes.
After robotic milking, the disinfectant is sprayed automatically onto teats from a cluster arm.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
Rinsing of the sprayer is automatic.

4.7.2 Use-specific risk mitigation measures

In case a combination of pre- and post-milking disinfection is necessary, using another product not containing iodine has to be considered for pre-milking disinfection.

4.7.3 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.

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

See general directions for use.

4.7.5 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 of the meta SPC

5.1. Instructions for use

See use specific instructions for use.

5.2. Risk mitigation measures

See use specific risk mitigation measures.

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

Mentioned in the MSDS
Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Wash with water and soap.
After eye contact: Rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing: Rinse out mouth and then drink plenty of water. Seek immediate medical advice.
Stability and reactivity
Possibility of hazardous reactions: Reaction with oxidant- and reducing agent.
Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.
Hazardous decomposition products: iodine (when warming up).

Accidental release measures
Personal precautions, protective equipment and emergency procedures: No special measures required.
Environmental precautions: Do not allow product to reach sewage systems or water bodies in great quantities.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

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

Mentioned in the MSDS
Waste treatment methods
Recommendation: Must be specially treated with regard to official regulations.
Waste disposal key number: Corresponding to the regulation of the European Waste catalogue the relation of the waste key numbers has to be made specific to industry and process.
European waste catalogue: Corresponding to the regulation of the EWC the relation of the waste key numbers has to be made specific to industry and process.
At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Recommended cleaning agent: Water, if necessary with cleaning agent.

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

Shelf-life: 24 months
Products need to be protected from frost, stored at temperatures not exceeding 30°C and away from direct sunlight.

6. Other information

Not provided

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)	calgodip D 3000	Market area: EU
	Jod-Dip S 30	Market area: EU
	Bestfarm Dip Premium	Market area: EU
	Jod 30 Universal (Iwetec)	Market area: EU
	Jod-Dipp 30 (Technolit)	Market area: EU
	Dip es SF 3000	Market area: EU
	Lerapur Jod SP 30	Market area: EU
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	EU-0018724-0011 1-9	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Iodine		Active Substance	7553-56-2	231-442-4	0,34
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0
Acetic acid	Acetic acid		64-19-7	200-580-7	0,26