

Summary of product characteristics for a biocidal product family

Family name: Teat disinfectants biocidal product family of Novadan

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

Authorisation number: EU-0019757-0000

R4BP 3 asset reference number: EU-0019757-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

Teat disinfectants biocidal product family of Novadan

1.2. Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

1.3. Authorisation holder

Name and address of the authorisation holder

Name	ITW Novadan ApS
Address	Platinvej 21 6000 Kolding Denmark

Authorisation number

EU-0019757-0000

R4BP 3 asset reference number

EU-0019757-0000

Date of the authorisation

07/04/2019

Expiry date of the authorisation

31/03/2029

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer

Novadan ApS

Address of the manufacturer

Platinvej 21 6000 Kolding Denmark

Location of manufacturing sites

Platinvej 21 6000 Kolding Denmark

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

Active substance	1349 - Polyvinylpyrrolidone iodine
Name of the manufacturer	Marcus Research Laboratory, Inc.
Address of the manufacturer	Delmar Blvd. 63103-1789 Saint Louis, Missouri United States
Location of manufacturing sites	Delmar Blvd. 63103-1789 Saint Louis, Missouri United States

Active substance	1319 - Iodine
Name of the manufacturer	Cosayach Nitratos S.A.
Address of the manufacturer	Hnos Amunátegui 178 8320000 Santiago Chile
Location of manufacturing sites	S.C.M. Cosayach Cala Cala 1180000 Pozo Almonte Chile

Active substance	1319 - Iodine
Name of the manufacturer	ACF Minera S.A.
Address of the manufacturer	San Martin No 499 1100000 Iquique Chile
Location of manufacturing sites	Lagunas mine 1180000 Pozo Almonte Chile

Active substance	1319 - Iodine
Name of the manufacturer	Sociedad Quimica y Minera (SQM) S.A.
Address of the manufacturer	Los Militares 4290, Piso 4, Las Condes 8320000 Santiago Chile
Location of manufacturing sites	Nueva Victoria plant 5090000 Pedro de Valdivia plant Chile

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0,714 - 3,57
Iodine		Active Substance	7553-56-2	231-442-4	0,15 - 0,75

2.2. Type(s) of formulation

SL - Soluble concentrate
 AL - Any other liquid
 EW - Emulsion, oil in water

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		3,57 - 3,57
Iodine		Active Substance	7553-56-2	231-442-4	0,75 - 0,75

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

Formulation(s)

SL - Soluble concentrate

3. Hazard and precautionary statements of the meta SPC

Hazard statements

May be corrosive to metals.
Harmful to aquatic life with long lasting effects.
Safety data sheet available on request.

Precautionary statements

Keep out of reach of children.
Keep only in original packaging.
Avoid release to the environment.
Absorb spillage to prevent material damage.
Dispose of contents to in accordance with local/regional/national/international regulation..
Dispose of container to in accordance with local/regional/national/international regulation..

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #1.1: post-milking manual dipping (concentrate)

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	<p>Scientific name: Bacteria Common name: Bacteria Development stage:</p> <p>Scientific name: Yeast Common name: Yeasts Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.</p>
Application method(s)	<p>manual dipping (concentrate) - Fill the reservoir with the diluted concentrate and screw the dip cup on top. 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 the full length of the teat is immersed into the disinfectant. Top up with fresh disinfectant by squeezing the reservoir as needed. After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.</p>
Application rate(s) and frequencies	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - 20 - Post-milking application 1-3 times per day (apply after every milking).</p>
Category(ies) of users	Professional
Pack sizes and packaging material	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Use #1.2 post-milking, manual spraying, trigger sprayer (concentrate)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.

Application method(s)

manual spraying, trigger sprayer (concentrate) -

Fill the reservoir with the diluted concentrate and screw the top of the trigger sprayer on

	<p>it. 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 each teat is covered with the disinfectant. Top up the reservoir with fresh disinfectant as needed. After disinfection, empty the reservoir and clean reservoir and sprayer by rinsing with water.</p>
Application rate(s) and frequencies	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - 20 - Post-milking application 1-3 times per day (apply after every milking).</p>
Category(ies) of users	<p>Professional</p>
Pack sizes and packaging material	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.2.1 Use-specific instructions for use

See general directions for use.

4.2.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) when applying the product by manual spraying.

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 #1.3 post-milking manual spraying using an electronic sprayer (concentrate)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTATION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual spraying, electronic sprayer (concentrate) - Open a can containing the diluted concentrate and insert the suction tube of the electronic sprayer. 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 electronic sprayer making sure that each teat is covered with the disinfectant. Replace the empty can by a new can as needed. After disinfection, put the suction tube system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - 20 - Post-milking application 1-3 times per day (apply after every milking).

Category(ies) of users

Professional

Pack sizes and packaging material

Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L
Plastic drum, HDPE: 200 L
IBC, HDPE: 1000 L

Opaque containers.

4.3.1 Use-specific instructions for use

See general directions for use.

4.3.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) when applying the product by manual spraying.

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 #1.4: post-milking automated dipping (concentrate)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.

Application method(s)

automated dipping (concentrate) -

Open a can containing the diluted concentrate and insert the suction tube of the automated dipping-system.
Before milking clean teats carefully by automatic procedure or manually.
After milking, the vacuum is shut off and the teat dip is injected into a manifold on the claw piece. The teats are coated with 2-4 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. Afterwards, the milking system is ready for the next milking event. The whole process is automated.

Application rate(s) and frequencies

Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - 20 -
Post-milking application 1-3 times per day (apply after every milking).

Category(ies) of users

Professional

Pack sizes and packaging material

Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L
Plastic drum, HDPE: 200 L

IBC, HDPE: 1000 L

Opaque containers.

4.4.1 Use-specific instructions for use

See general directions for use.

4.4.2 Use-specific risk mitigation measures

See general directions for use.

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 # 1.5: post-milking automated spraying by robot (concentrate)

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	<p>Scientific name: Bacteria Common name: Bacteria Development stage:</p> <p>Scientific name: Yeast Common name: Yeasts Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.</p>
Application method(s)	<p>automated spraying by robot (concentrate) -</p> <p>Open a can containing the diluted concentrate and insert the suction tube of the robotic milking device.</p> <p>The teats are cleaned by robot with automatic brushes. After robotic milking, 2-4 ml of the disinfectant is sprayed automatically onto teats from a cluster arm. Rinsing of the sprayer is automatic.</p>
Application rate(s) and frequencies	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - 20 - Post-milking application 1-3 times per day (apply after every milking).</p>
Category(ies) of users	Professional
Pack sizes and packaging material	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.5.1 Use-specific instructions for use

See general directions for use.

4.5.2 Use-specific risk mitigation measures

See general directions for use.

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

Dilute the concentrated product by decanting or pumping. Fill the reservoir with the diluted concentrate and screw the dip cup on top. The concentrate is to be diluted 1:4. The concentrated products in meta-SPC 1 contain 0.89% total iodine and are diluted 1:4 to an in-use solution containing 0.178% total iodine. This corresponds to a 20% (w/w) dilution. The use of a dosing pump for filling the product into the application equipment is recommended. The products must be brought to temperatures above 20°C before use.

To ensure sufficient contact time, care should be taken that the product is not removed after application. Leave the product on the teats and keep the animals standing for at least five minutes after treatment for post-milking disinfection.

5.2. 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.

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

Description of first aid measures

General: Remove affected person from source of contamination.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact: Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.

After eye contact: Immediately rinse with water (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.

If medical advice is needed, have product container or label at hand.

Environmental emergency measures

Prevent run-off from entering drains, sewers or waterways

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Dike to collect larger liquid spills

Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations

Do not place spilled materials back into the original container

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

Method of disposal: 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.

Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.

The paper towels used for the cleaning of teats are disposed in the normal rubbish.

Product classified as hazardous waste: No

Packaging classified as hazardous waste: No

EWC waste code: EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

Other information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste code applies to product remnants in pure form.

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

Mentioned in the SDS: Keep in original container. Store the product away from direct sunlight in opaque containers. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store above freezing.

Storage temperature: 0 – 30°C

Shelf-life: 24 months.

6. Other information

pH range of meta-SPC 1: 4-5

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)	
Nova Dip	Market area: EU
IO Dip	Market area: EU
Udder Des 1:4 Jod	Market area: EU
Ewodip	Market area: EU
Jodopax vet	Market area: EU
Fova Dip 1:4	Market area: EU
Tehotippi	Market area: EU
Authorisation number <small>(R4BP 3 asset reference number - National Authorisation)</small>	EU-0019757-0001 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		3,57
Iodine		Active Substance	7553-56-2	231-442-4	0,75

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1 - 1,42
Iodine		Active Substance	7553-56-2	231-442-4	0,21 - 0,298

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.
Safety data sheet available on request.

Precautionary statements

Keep out of reach of children.

Avoid release to the environment.

Dispose of contents to in accordance with local/regional/national/international regulation.

Dispose of container to in accordance with local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC**4.1 Use description****Use 1 - Use #1.1: post-milking manual dipping (RTU)****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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.

Application method(s)

manual dipping (RTU) -

Fill the reservoir with the RTU product and screw the dip cup on top.
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 the full length of the teat is immersed into the disinfectant. Top up with fresh disinfectant by squeezing the reservoir as needed. After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.

Application rate(s) and frequencies

Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - -
Post-milking application 1-3 times per day (apply after every milking).

Category(ies) of users

Professional

Pack sizes and packaging material

Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L
Plastic drum, HDPE: 200 L
IBC, HDPE: 1000 L

Opaque containers.

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Use #1.4: post-milking automated dipping (RTU)

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	<p>Scientific name: Bacteria Common name: Bacteria Development stage:</p> <p>Scientific name: Yeast Common name: Yeasts Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>DISINFECTATION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.</p>
Application method(s)	<p>automated dipping (RTU) -</p> <p>Open a can containing the RTU product and insert the suction tube of the automated dipping-system. Before milking clean teats carefully by automatic procedure or manually. After milking, the vacuum is shut off and the teat dip is injected into a manifold on the claw piece. The teats are coated with 2-4 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. Afterwards, the milking system is ready for the next milking event. The whole process is automated.</p>
Application rate(s) and frequencies	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).</p>
Category(ies) of users	Professional
Pack sizes and packaging material	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.2.1 Use-specific instructions for use

See general directions for use.

4.2.2 Use-specific risk mitigation measures

See general directions for use.

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

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

To ensure sufficient contact time, care should be taken that the product is not removed after application. Leave the product on the teats and keep the animals standing for at least five minutes after treatment for post-milking disinfection.

5.2. 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.

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

Description of first aid measures

General: Remove affected person from source of contamination.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact: Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.

After eye contact: Immediately rinse with water (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.

If medical advice is needed, have product container or label at hand.

Environmental emergency measures

Prevent run-off from entering drains, sewers or waterways

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Dike to collect larger liquid spills

Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations

Do not place spilled materials back into the original container

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

Method of disposal: 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.

Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.

The paper towels used for the cleaning of teats are disposed in the normal rubbish.

Product classified as hazardous waste: No

Packaging classified as hazardous waste: No

EWC waste code: EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

Other information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste code applies to product remnants in pure form.

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

Mentioned in the SDS: Keep in original container. Store the product away from direct sunlight in opaque containers. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store above freezing.

Storage temperature: 0 – 30°C

Shelf-life: 24 months.

6. Other information

pH range of meta-SPC 2: 4-5

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)	Jopo Film	Market area: EU
	IO Super Dip	Market area: EU
	Barrera Dip	Market area: EU
Authorisation number <small>(R4BP 3 asset reference number - National Authorisation)</small>	EU-0019757-0002 1-2	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,42
Iodine		Active Substance	7553-56-2	231-442-4	0,298

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0,82 - 0,99
Iodine		Active Substance	7553-56-2	231-442-4	0,172 - 0,208

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

Safety data sheet available on request.

Precautionary statements

Keep out of reach of children.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #1.1: post-milking manual dipping (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual dipping (RTU) - Fill the reservoir with the RTU product and screw the dip cup on top. 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 the full length of the teat is immersed into the disinfectant. Top up with fresh disinfectant by squeezing the reservoir as needed. After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.
Application rate(s) and frequencies	cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment - - Post-milking application 1-3 times per day (apply after every milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.1.1 Use-specific instructions for use

See general directions for use

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Use #1.4: post-milking automated dipping (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	automated dipping (RTU) - Open a can containing the RTU product and insert the suction tube of the automated dipping-system. Before milking clean teats carefully by automatic procedure or manually. After milking, the vacuum is shut off and the teat dip is injected into a manifold on the claw piece. The teats are coated with 2-4 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. Afterwards, the milking system is ready for the next milking event. The whole process is automated.
Application rate(s) and frequencies	cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment - - Post-milking application 1-3 times per day (apply after every milking)
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.2.1 Use-specific instructions for use

See general directions for use

4.2.2 Use-specific risk mitigation measures

See general directions for use.

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

Fill the reservoir with the RTU product and screw the dip cup on top.
The products must be brought to temperatures above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended

To ensure sufficient contact time, care should be taken that the product is not removed after application. Leave the product on the teats and keep the animals standing for at least five minutes after treatment for post-milking disinfection.

5.2. 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.

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

Description of first aid measures

General: Remove affected person from source of contamination.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact: Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.

After eye contact: Immediately rinse with water (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue

rinsing. Get medical attention if any discomfort continues.
After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.

If medical advice is needed, have product container or label at hand.

Environmental emergency measures

Prevent run-off from entering drains, sewers or waterways

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Dike to collect larger liquid spills

Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations

Do not place spilled materials back into the original container

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

Method of disposal: 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.

Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.

The paper towels used for the cleaning of teats are disposed in the normal rubbish.

Product classified as hazardous waste: No

Packaging classified as hazardous waste: No

EWC waste code: EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

Other information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste code applies to product remnants in pure form.

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

Mentioned in the SDS: Keep in original container. Store the product away from direct sunlight in opaque containers. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store above freezing.

Storage temperature: 0 – 30°C

Shelf-life: 18 months.

6. Other information

pH range of meta-SPC 3: 4-5

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)

Nova Dip Barriere	Market area: EU
IO Multi Dip	Market area: EU
EU-0019757-0003 1-3	

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0,82
Iodine		Active Substance	7553-56-2	231-442-4	0,172

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0,714 - 0,99
Iodine		Active Substance	7553-56-2	231-442-4	0,15 - 0,208

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

Safety data sheet available on request.

Precautionary statements

Keep out of reach of children.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #1.1: post-milking manual dipping (RTU)

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:

	<p>Scientific name: Yeast Common name: Yeasts Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.</p>
Application method(s)	<p>manual dipping (RTU) -</p> <p>Fill the reservoir with the RTU product and screw the dip cup on top. 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 the full length of the teat is immersed into the disinfectant. Top up with fresh disinfectant by squeezing the reservoir as needed. After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.</p>
Application rate(s) and frequencies	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).</p>
Category(ies) of users	<p>Professional</p>
Pack sizes and packaging material	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Use #1.2 post-milking, manual spraying, trigger sprayer (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.

Application method(s)

manual spraying, trigger sprayer (RTU) -

Fill the reservoir with the RTU product and screw the top of the trigger sprayer on it. 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 each teat is covered with the disinfectant. Top up the reservoir with fresh disinfectant as needed. After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.

Application rate(s) and frequencies

Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - -
Post-milking application 1-3 times per day (apply after every milking).

Category(ies) of users

Professional

Pack sizes and packaging material

Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L
Plastic drum, HDPE: 200 L
IBC, HDPE: 1000 L

Opaque containers.

4.2.1 Use-specific instructions for use

See general directions for use.

4.2.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves when applying the product by manual spraying (glove material to be specified by the authorisation holder within the product information).

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 #1.3 post-milking manual spraying using an electronic sprayer (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual spraying, electronic sprayer (RTU) - Open a can containing the RTU product and insert the suction tube of the electronic sprayer. 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 electronic sprayer making sure that each teat is covered with the disinfectant. Replace the empty can by a new can as needed. After disinfection, put the suction tube system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

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4.3.1 Use-specific instructions for use

See general directions for use.

4.3.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves when applying the product by manual spraying (glove material to be specified by the authorisation holder within the product information).

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 #1.4: post-milking automated dipping (RTU)

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
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	<p>Development stage:</p> <p>Scientific name: Yeast Common name: Yeasts Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.</p>
Application method(s)	<p>automated dipping (RTU) -</p> <p>Open a can containing the RTU product and insert the suction tube of the automated dipping-system. Before milking clean teats carefully by automatic procedure or manually.</p> <p>After milking, the vacuum is shut off and the teat dip is injected into a manifold on the claw piece. The teats are coated with 2-4 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. Afterwards, the milking system is ready for the next milking event. The whole process is automated.</p>
Application rate(s) and frequencies	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).</p>
Category(ies) of users	<p>Professional</p>
Pack sizes and packaging material	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.4.1 Use-specific instructions for use

See general directions for use.

4.4.2 Use-specific risk mitigation measures

See general directions for use.

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 # 1.5: post-milking automated spraying by robot (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.

Application method(s)

automated spraying by robot (RTU) -

Open a can containing the RTU product and insert the suction tube of the robotic

	<p>milking device.</p> <p>The teats are cleaned by robot with automatic brushes. After robotic milking, 2-4 ml of the disinfectant is sprayed automatically onto teats from a cluster arm. Rinsing of the sprayer is automatic.</p>
<p>Application rate(s) and frequencies</p>	<p>Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).</p>
<p>Category(ies) of users</p>	<p>Professional</p>
<p>Pack sizes and packaging material</p>	<p>Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L</p> <p>Opaque containers.</p>

4.5.1 Use-specific instructions for use

See general directions for use.

4.5.2 Use-specific risk mitigation measures

See general directions for use.

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

Fill the reservoir with the RTU product and screw the dip cup on top.
The products must be brought to temperatures above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.

To ensure sufficient contact time, care should be taken that the product is not removed after application. Leave the product on the teats and keep the animals standing for at least five minutes after treatment for post-milking disinfection.

5.2. 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.

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

Description of first aid measures

General: Remove affected person from source of contamination.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact: Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.

After eye contact: Immediately rinse with water (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.

If medical advice is needed, have product container or label at hand.

Environmental emergency measures

Prevent run-off from entering drains, sewers or waterways

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Dike to collect larger liquid spills

Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations

Do not place spilled materials back into the original container

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

Method of disposal: 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.
Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.
The paper towels used for the cleaning of teats are disposed in the normal rubbish.
Product classified as hazardous waste: No
Packaging classified as hazardous waste: No
EWC waste code: EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
Other information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Waste code applies to product remnants in pure form.

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

Mentioned in the SDS: Keep in original container. Store the product away from direct sunlight in opaque containers. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store above freezing.
Storage temperature: 0 – 30°C
Shelf-life: 24 months.

6. Other information

pH range of meta-SPC 4: 4-5

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)

Jopo Spray	Market area: EU
IO Spray	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

Barrera Spray	Market area: EU
Agro Teat Spray	Market area: EU
Nova Dip Ready for Use	Market area: EU
EU-0019757-0004 1-4	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		0,714
Iodine		Active Substance	7553-56-2	231-442-4	0,15

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1 - 1,46
Iodine		Active Substance	7553-56-2	231-442-4	0,21 - 0,307

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.
Safety data sheet available on request.

Precautionary statements

Keep out of reach of children.
Avoid release to the environment.
Dispose of contents to in accordance with local/regional/national/international regulation.
Dispose of container to in accordance with local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #1.1: post-milking manual dipping (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual dipping (RTU) - Fill the reservoir with the RTU product and screw the dip cup on top. 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 the full length of the teat is immersed into the disinfectant. Top up with fresh disinfectant by squeezing the reservoir as needed. . After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Use #1.2 post-milking, manual spraying, trigger sprayer (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual spraying, trigger sprayer (RTU) - Fill the reservoir with the RTU product and screw the top of the trigger sprayer on it. 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 each teat is covered with the disinfectant. Top up the reservoir with fresh disinfectant as needed. After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.2.1 Use-specific instructions for use

See general directions for use.

4.2.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves when applying the product by manual spraying (glove material to be specified by the authorisation holder within the product information).

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 #1.3 post-milking manual spraying using an electronic sprayer (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

DISINFECTATION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.

Application method(s)

manual spraying, electronic sprayer (RTU) -

Open a can containing the RTU product and insert the suction tube of the electronic sprayer.
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 electronic sprayer making sure that each teat is covered with the disinfectant. Replace the empty can by a new can as needed. After disinfection, put the suction tube system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.

Application rate(s) and frequencies

cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment - -
Post-milking application 1-3 times per day (apply after every milking).

Category(ies) of users

Professional

Pack sizes and packaging material

Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L
Plastic drum, HDPE: 200 L
IBC, HDPE: 1000 L

Opaque containers.

4.3.1 Use-specific instructions for use

See general directions for use.

4.3.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves when applying the product by manual spraying (glove material to be specified by the authorisation holder within the product information).

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 #1.4: post-milking automated dipping (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	automated dipping (RTU) - Open a can containing the RTU product and insert the suction tube of the automated dipping-system. Before milking clean teats carefully by automatic procedure or manually. After milking, the vacuum is shut off and the teat dip is injected into a manifold on the claw piece. The teats are coated with 2-4 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. Afterwards, the milking system is ready for the next milking event. The whole process is automated.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.4.1 Use-specific instructions for use

See general directions for use.

4.4.2 Use-specific risk mitigation measures

See general directions for use.

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 # 1.5: post-milking automated spraying by robot (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	automated spraying by robot (RTU) - Open a can containing the RTU product and insert the suction tube of the robotic milking device. The teats are cleaned by robot with automatic brushes. After robotic milking, 2-4 ml of the disinfectant is sprayed automatically onto teats from a cluster arm. Rinsing of the sprayer is automatic.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.5.1 Use-specific instructions for use

See general directions for use.

4.5.2 Use-specific risk mitigation measures

See general directions for use.

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

Fill the reservoir with the RTU product and screw the dip cup on top.
The products must be brought to temperatures above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.

To ensure sufficient contact time, care should be taken that the product is not removed after application. Leave the product on the teats and keep the animals standing for at least five minutes after treatment for post-milking disinfection.

5.2. 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.

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

Description of first aid measures

General: Remove affected person from source of contamination.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact: Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.

After eye contact: Immediately rinse with water (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.

If medical advice is needed, have product container or label at hand.

Environmental emergency measures

Prevent run-off from entering drains, sewers or waterways

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Dike to collect larger liquid spills

Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations

Do not place spilled materials back into the original container

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

Method of disposal: 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.

Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.

The paper towels used for the cleaning of teats are disposed in the normal rubbish.

Product classified as hazardous waste: No

Packaging classified as hazardous waste: No

EWC waste code: EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

Other information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste code applies to product remnants in pure form.

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

Mentioned in the SDS: Keep in original container. Store the product away from direct sunlight in opaque containers. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store above freezing.

Storage temperature: 0 – 30°C

Shelf-life: 24 months.

6. Other information

pH range of meta-SPC 5: 4-5

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)

Nova Dip Spray 3000	Market area: EU
IO Spray Plus	Market area: EU
PV-Plus 3000	Market area: EU
Tehotippi Soft Plus	Market area: EU
F 6 Robo V	Market area: EU
EU-0019757-0005 1-5	

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,46
Iodine		Active Substance	7553-56-2	231-442-4	0,307

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 (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1 - 1,43
Iodine		Active Substance	7553-56-2	231-442-4	0,21 - 0,3

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

Formulation(s)

EW - Emulsion, oil in water

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful to aquatic life with long lasting effects.
Safety data sheet available on request.

Precautionary statements

Keep out of reach of children.
Avoid release to the environment.
Dispose of contents to in accordance with local/regional/national/international regulation.
Dispose of container to in accordance with local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use #1.1: post-milking manual dipping (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual dipping (RTU) - Fill the reservoir with the RTU product and screw the dip cup on top. 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 the full length of the teat is immersed into the disinfectant. Top up with fresh disinfectant by squeezing the reservoir as needed. After disinfection, empty the reservoir and clean reservoir and dip cup by rinsing with water.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Use #1.2 post-milking, manual spraying, trigger sprayer (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual spraying, trigger sprayer (RTU) - Fill the reservoir with the RTU product and screw the top of the trigger sprayer on it. 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 trigger sprayer making sure that each teat is covered with the disinfectant. Top up the reservoir with fresh disinfectant as needed. After disinfection, empty the reservoir and clean reservoir and trigger sprayer by rinsing with water.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.2.1 Use-specific instructions for use

See general directions for use.

4.2.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves when applying the product by manual spraying (glove material to be specified by the authorisation holder within the product information).

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 #1.3 post-milking manual spraying using an electronic sprayer (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	manual spraying, electronic sprayer (RTU) - Open a can containing the RTU product and insert the suction tube of the electronic sprayer. 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 each teat is covered with the disinfectant. Replace the empty can by a new can as needed. After disinfection, put the suction tube system into a bucket of water and rinse the sprayer by pumping the water through the sprayer.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).

Category(ies) of users

Professional

Pack sizes and packaging material

Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L
Plastic drum, HDPE: 200 L
IBC, HDPE: 1000 L

Opaque containers.

4.3.1 Use-specific instructions for use

See general directions for use.

4.3.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves when applying the product by manual spraying (glove material to be specified by the authorisation holder within the product information).

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 #1.4: post-milking automated dipping (RTU)

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: Scientific name: Yeast Common name: Yeasts Development stage:
Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	automated dipping (RTU) - Open a can containing the RTU product and insert the suction tube of the automated dipping-system. Before milking clean teats carefully by automatic procedure or manually. After milking, the vacuum is shut off and the teat dip is injected into a manifold on the claw piece. The teats are coated with 2-4 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. Afterwards, the milking system is ready for the next milking event. The whole process is automated.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.4.1 Use-specific instructions for use

See general directions for use.

4.4.2 Use-specific risk mitigation measures

See general directions for use.

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 # 1.5: post-milking automated spraying by robot (RTU)

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:

Scientific name: Yeast
Common name: Yeasts
Development stage:

Field(s) of use	Indoor DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
Application method(s)	automated spraying by robot (RTU) - Open a can containing the RTU product and insert the suction tube of the robotic milking device. The teats are cleaned by robot with automatic brushes. After robotic milking, 2-4 ml of the disinfectant is sprayed automatically onto teats from a cluster arm. Rinsing of the sprayer is automatic.
Application rate(s) and frequencies	Cows and buffaloes: 4 ml/animal per treatment; sheep: 2 ml/animal per treatment ; goats: 3 ml/animal per treatment. - - Post-milking application 1-3 times per day (apply after every milking).
Category(ies) of users	Professional
Pack sizes and packaging material	Jerry can, HDPE: 0.5 L, 5 L, 10 L, 20 L, 60 L Plastic drum, HDPE: 200 L IBC, HDPE: 1000 L Opaque containers.

4.5.1 Use-specific instructions for use

See general directions for use.

4.5.2 Use-specific risk mitigation measures

See general directions for use.

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

Fill the reservoir with the RTU product and screw the dip cup on top.
The products must be brought to temperatures above 20°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.

To ensure sufficient contact time, care should be taken that the product is not removed after application. Leave the product on the teats and keep the animals standing for at least five minutes after treatment for post-milking disinfection.

5.2. 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.

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

Description of first aid measures

General: Remove affected person from source of contamination.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact: Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.

After eye contact: Immediately rinse with water (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.

If medical advice is needed, have product container or label at hand.

Environmental emergency measures

Prevent run-off from entering drains, sewers or waterways

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Dike to collect larger liquid spills

Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations

Do not place spilled materials back into the original container

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

Method of disposal: 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.

Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.

The paper towels used for the cleaning of teats are disposed in the normal rubbish.

Product classified as hazardous waste: No

Packaging classified as hazardous waste: No

EWC waste code: EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

Other information: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Waste code applies to product remnants in pure form.

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

Mentioned in the SDS: Keep in original container. Store the product away from direct sunlight in opaque containers. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store above freezing.

Storage temperature: 0 – 30°C

Shelf-life: 24 months.

6. Other information

pH range of meta-SPC 6: 4-5

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)

Jopo Winterspray	Market area: EU
IO Winterspray	Market area: EU
Jodopax RTU	Market area: EU
Barrera W	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0019757-0006 1-6

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Polyvinylpyrrolidone iodine		Active Substance	25655-41-8		1,43
Iodine		Active Substance	7553-56-2	231-442-4	0,3
