

# Summary of product characteristics for a biocidal product

**Product name:** Nova Dip

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

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**Authorisation number:** EU-0019757-0000

**R4BP 3 asset reference number:** EU-0019757-0001

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## Administrative information

### 1.1. Trade names of the product

Nova Dip
IO Dip
Udder Des 1:4 Jod
Ewodip
Jodopax vet
Fova Dip 1:4
Tehotippi

### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	ITW Novadan ApS
	Address	Platinvej 21 6000 Kolding Denmark
<b>Authorisation number</b>	EU-0019757-0000 1-1	
<b>R4BP 3 asset reference number</b>	EU-0019757-0001	
<b>Date of the authorisation</b>	07/04/2019	
<b>Expiry date of the authorisation</b>	31/03/2029	

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

<b>Name of the manufacturer</b>	Novadan ApS
<b>Address of the manufacturer</b>	Platinvej 21 6000 Kolding Denmark
<b>Location of manufacturing sites</b>	Platinvej 21 6000 Kolding Denmark

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

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

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

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

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

## 2. Product composition and formulation

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

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

### 2.2. Type of formulation

SL - Soluble concentrate
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## 3. Hazard and precautionary statements

<b>Hazard statements</b>	<p>May be corrosive to metals.</p> <p>Harmful to aquatic life with long lasting effects.</p> <p>Safety data sheet available on request.</p>
<b>Precautionary statements</b>	<p>Keep out of reach of children.</p> <p>Keep only in original packaging.</p> <p>Avoid release to the environment.</p> <p>Absorb spillage to prevent material damage.</p>

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)

### 4.1 Use description

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

<b>Product type</b>	PT03 - Veterinary hygiene (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Not relevant.
<b>Target organism(s) (including development stage)</b>	Scientific name: Bacteria Common name: Bacteria Development stage:  Scientific name: Yeast Common name: Yeasts Development stage:
<b>Field(s) of use</b>	Indoor  DISINFECTATION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
<b>Application method(s)</b>	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.
<b>Application rate(s) and frequencies</b>	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).
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	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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#### 4.1.1 Use-specific instructions for use

See general directions for use.
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#### 4.1.2 Use-specific risk mitigation measures

See general directions for use.
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#### 4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

See general directions for use.
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#### 4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

See general directions for use.
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#### 4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

See general directions for use.
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#### 4.2 Use description

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

<b>Product type</b>	PT03 - Veterinary hygiene (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Not relevant.
<b>Target organism(s) (including development stage)</b>	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 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.

**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.

**4.2.1 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).
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	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)

<b>Product type</b>	PT03 - Veterinary hygiene (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Not relevant.
<b>Target organism(s) (including development stage)</b>	Scientific name: Bacteria Common name: Bacteria Development stage:  Scientific name: Yeast Common name: Yeasts Development stage:
<b>Field(s) of use</b>	Indoor  DISINFECTION FOR VETERINARY HYGIENE: Teat disinfection product for milkable animals (cows, buffaloes, sheep, goats) for use after milking.
<b>Application method(s)</b>	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.
<b>Application rate(s) and frequencies</b>	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).
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	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)

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 (concentrate) -

Open a can containing the diluted concentrate 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. - 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.

**4.5.1 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**

#### **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