

Summary of product characteristics for a biocidal product

Product name: FAM

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

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Authorisation number: LV/2019/MR/009

R4BP 3 asset reference number: LV-0021006-0001

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Administrative information

1.1. Trade names of the product

FAM
BIOCID
VANODINE
VANODIN
VANODINE FAM
ANTIGERMEN POTENTE

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Evans Vanodine Europe
	Address	6-9 Trinity Street D02 EY47 Dublin 2 Ireland
Authorisation number	LV/2019/MR/009 1-1	
R4BP 3 asset reference number	LV-0021006-0001	
Date of the authorisation	09/07/2019	
Expiry date of the authorisation	06/03/2029	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Evans Vanodine International
Address of the manufacturer	Brierley Road, Walton Summit PR58AH Preston, Lancashire United Kingdom
Location of manufacturing sites	Brierley Road, Walton Summit PR58AH Preston, Lancashire United Kingdom

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

Active substance	1319 - Iodine
Name of the manufacturer	ACF Minera S.A.
Address of the manufacturer	San Martin No 499 None Iquique Chile
Location of manufacturing sites	Lagunas mine None Pozo Almonte Chile

Active substance	1319 - Iodine
Name of the manufacturer	SQM S.A.
Address of the manufacturer	Los Militares 4290, Piso 4, Las Condes None Santiago Chile
Location of manufacturing sites	Nueva Victoria plant, Pedro de Valdivia plant None None Chile

Active substance	1319 - Iodine
Name of the manufacturer	Cosayach Nitratos S.A.
Address of the manufacturer	Hnos Amunátegui 178 None Santiago Chile
Location of manufacturing sites	CosayA. Compania de Salitre y Yodo None Not reported Chile

Active substance	1319 - Iodine
Name of the manufacturer	ISE Chemicals Corporation
Address of the manufacturer	3-1, Kyobshi 1-Chrome, Chuo-ku, None Tokyo Japan
Location of manufacturing sites	Shirasato Plant, 3695 Kitaimaizumi None Oamishirasato City Japan

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 (%)
Iodine		Active Substance	7553-56-2	231-442-4	2,179
Alcohol Ethoxylate	C9-11 Alcohol Ethoxylate (8EO)	Non-active substance	68439-46-3	614-482-0	18,575
Sulphuric Acid	Sulphuric Acid	Non-active substance	7664-93-9	231-639-5	7,995
Phosphoric Acid	Trihydroxidooxido-phosphorus	Non-active substance	7664-38-2	231-633-2	12,495

2.2. Type of formulation

SL - Soluble concentrate

3. Hazard and precautionary statements

Hazard statements	<p>Causes severe skin burns and eye damage.</p> <p>Harmful to aquatic life with long lasting effects.</p> <p>May be corrosive to metals.</p>
Precautionary statements	<p>If medical advice is needed, have product container or label at hand.</p> <p>Store locked up.</p> <p>Keep out of reach of children.</p>

Do not breathe mist.

Avoid release to the environment.

Wear protective gloves.

Wear protective clothing.

Wear eye protection.

Wear face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Wash contaminated clothing before reuse.

Dispose of contents to in accordance with local regulations.

Dispose of container to in accordance with local regulations..

4. Authorised use(s)

4.1 Use description

Use 1 - Use # 1 (FAM) – animal accommodation surface disinfection – spray or foam application

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

Products used to disinfect the materials and surfaces associated with the housing of animals.

Target organism(s) (including development stage)

Scientific name: Bacteria
Common name: Bacteria
Development stage: All

Scientific name: Other Viruses
Common name: Viruses
Development stage: All

Scientific name: Yeast
Common name: Yeast
Development stage: All

Scientific name: Mycobacteria
Common name: Mycobacteria
Development stage: All

Field(s) of use	Indoor Indoor
Application method(s)	<p>Method: Spraying Detailed description: Decant or dispense (using dispensing equipment) the concentrated product and dilute with water. Fill the reservoir of the knapsack sprayer (low pressure spray) with the diluted concentrate.</p> <p>Method: Foaming Detailed description: The concentrated products are diluted by decanting or by dispensing (using dispensing equipment). The diluted concentrate is filled into the reservoir of a knapsack sprayer (low pressure foam).</p>
Application rate(s) and frequencies	<p>Application Rate: 300 mL/m² (dilute solution) Dilution (%): Dilution ratios – FAM 1:75 Number and timing of application: The disinfection of animal housing takes places as follows: - Dairy cattle: Once per year - Veal calves: Every 17-19 weeks - Fattening pigs: Twice per year - Laying hens: Once per 12 -18 months - Broiler: Every 7 weeks - Turkeys: Twice per year - Ducks: Every 8 weeks - Geese: Twice per year - Sheep: Once per year - Goats: Once per year</p> <p>Application Rate: 300 mL/m² (dilute solution) Dilution (%): Dilution ratios – FAM 1:75 Number and timing of application: The disinfection of animal housing takes places as follows: - Dairy cattle: Once per year - Veal calves: Every 17-19 weeks - Fattening pigs: Twice per year - Laying hens: Once per 12 -18 months - Broiler: Every 7 weeks - Turkeys: Twice per year - Ducks: Every 8 weeks - Geese: Twice per year - Sheep: Once per year - Goats: Once per year</p>
Category(ies) of users	Professional
Pack sizes and packaging material	Containers such as (bottles, jerry cans, drums, IBC) made from HDPE - 1 - 1000 Litres

4.1.1 Use-specific instructions for use

Clean and rinse surfaces prior to disinfection
Decant or dispense (using dispensing equipment) the concentrated product and dilute with water. Fill the reservoir of the knapsack sprayer (low pressure spray) with the diluted concentrate. Spray the disinfectant making sure surfaces are thoroughly wetted and leave to dry for 30-minutes, porous surfaces should be allowed to dried for a minimum of 4 hours. After disinfection, empty and clean the reservoir and the spray equipment by rinsing with water.
Dilution ratios – FAM 1:75

4.1.2 Use-specific risk mitigation measures

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

A protective coverall (at least type 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information).

The use of eye protection during handling of the product is mandatory.

Feed and water troughs are to be covered during biocidal treatment

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 Directions for use.

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

See 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 Directions for use.

4.2 Use description

Use 2 - Use # 2 (FAM) – animal accommodation equipment disinfection – immersion

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

Products used to disinfect the materials and surfaces associated with the housing of animals.

Target organism(s) (including development stage)

Scientific name: Other: Bacteria
Common name: bacteria
Development stage: All

Scientific name: other yeast
Common name: Yeasts
Development stage: all

Scientific name: Viruses

	<p>Common name: Viruses Development stage: all</p> <p>Scientific name: Mycobacteria Common name: Mycobacteria Development stage: All</p>
Field(s) of use	<p>Indoor</p> <p>Outdoor</p> <p>Indoor and outdoor</p>
Application method(s)	<p>Method: Open system: immersion Detailed description: The concentrated products are diluted by decanting or by dispensing (using dispensing equipment). The diluted concentrate is filled in a clean container and the equipment (e.g. buckets, cages, hatchery trays, drinkers, crates) is placed in the solution. The equipment is left for at least 30 minutes before removing and allowing equipment to drain and dry.</p>
Application rate(s) and frequencies	<p>Application Rate: Immersere for 30-minutes in 100 litres of diluted solution Dilution (%): Dilution ratios – FAM 1:75 Number and timing of application: The equipment disinfection in animal accomodation by immersion takes place indoor or outdoor by professional workers as follows: - Broiler: Every 7 weeks - Ducks: Every 8 weeks</p>
Category(ies) of users	<p>Professional</p>
Pack sizes and packaging material	<p>Containers such as (bottles, jerry cans, drums, IBC) made from HDPE - 1 -1 000 Litres</p>

4.2.1 Use-specific instructions for use

Clean and rinse surfaces prior to disinfection
Decant or dispense (using dispensing equipment) the concentrated product and dilute with water. Fill a clean container with the diluted concentrate and place equipment (e.g. buckets, cages, hatchery trays, drinkers, crates) in the solution, leave for at least 30 minutes before removing and allowing equipment to drain and dry. Dispose the disinfection solution into STP.
Dilution ratios – FAM 1:75

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).
A protective coverall (at least type 6, EN 13034) shall be worn.

The use of eye protection during handling of the product is mandatory.

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 Directions for use.

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

See 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 Directions for use.

4.3 Use description

Use 3 - Use # 3 (FAM) – disinfection of vehicles for transporting animals – spray application

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

Products used to disinfect the materials and surfaces associated with transportation of animals.

Target organism(s) (including development stage)

Scientific name: bacteria
Common name: bacteria
Development stage: all

Scientific name: Viruses
Common name: Viruses
Development stage: all

Scientific name: yeast
Common name: Yeasts
Development stage: all

Scientific name: Mycobacteria
Common name: Mycobacteria
Development stage: All

Field(s) of use

Outdoor

Outdoor

Application method(s)

Method: Spraying
Detailed description:

The concentrated products are diluted by decanting or by dispensing (using dispensing equipment). The diluted concentrate is filled into the reservoir of a knapsack sprayer (low pressure spray). The surfaces are sprayed with the disinfectant making sure that

	the surfaces are thoroughly wetted. The product is left on the surfaces until it has dried (porous surfaces should be dried for a minimum of 4 hours).
Application rate(s) and frequencies	Application Rate: 300mL/m ² diluted solution Dilution (%): Dilution ratios – FAM 1:75 Number and timing of application: Generally, the vehicles for transporting animals are cleaned and disinfected with products which are not iodine-based. Only in in case of disease, the disinfection is done with iodine-based products.
Category(ies) of users	Professional
Pack sizes and packaging material	Containers such as (bottles, jerry cans, drums, IBC) made from HDPE - 1 - 1000 Litres

4.3.1 Use-specific instructions for use

Clean and rinse surfaces prior to disinfection
Decant or dispense (using dispensing equipment) the concentrated product and dilute with water. Fill the reservoir of the knapsack sprayer (low pressure spray) with the diluted concentrate. First, apply the disinfectant solution to the outside of the vehicle including wheel arches, tyres, mudguards and underside of the vehicle, starting at the top and working down. Thereafter, spray on the inside of the vehicle, starting at the top and working down to the bottom, ensuring that all surfaces including the floor are covered. After disinfection (at least 30-minutes), empty and clean the reservoir and the spray equipment by rinsing with water.
Dilution ratios – FAM 1:75

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).
A protective coverall (at least type 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information).
The use of eye protection during handling of the product is mandatory.

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 Directions for use.

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

See 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 Directions for use.

4.4 Use description

Use 4 - Use # 4 (FAM) – disinfection of fish farm equipment – immersion

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

Products used to disinfect the materials and surfaces associated with the housing of animals.

Target organism(s) (including development stage)

Scientific name: Bacteria
Common name: Bacteria
Development stage: all

Scientific name: Viruses
Common name: Viruses
Development stage: all

Scientific name: Yeast
Common name: Yeasts
Development stage: all

Scientific name: Mycobacteria
Common name: Mycobacteria
Development stage: All

Field(s) of use

Outdoor

Outdoor.

Application method(s)

Method: Open system: immersion

Detailed description:

The concentrated products are diluted by decanting or by dispensing (using dispensing equipment). The diluted concentrate is filled a clean container and the equipment (e.g. buckets, cages, hatchery trays, drinkers, crates) is placed in the solution. The equipment is left for at least 30 minutes before removing and allowing equipment to drain and dry. For larger pieces of equipment such as fish holding tanks, the cleaned containers are filled with the disinfectant. The disinfectant is left for a minimum of 30 minutes, drained, rinsed with clean water and allowed to dry.

Application rate(s) and frequencies

Application Rate: 500 L of diluted solution.

Dilution (%): Dilution ratios – FAM 1:75

Number and timing of application:

The disinfection of equipment in fish farming takes places once a week.

Category(ies) of users

Professional

Pack sizes and packaging material

Containers such as (bottles, jerry cans, drums, IBC) made from HDPE - 1 - 1000 Litres



4.4.1 Use-specific instructions for use

Clean and rinse surfaces prior to disinfection
Decant or dispense (using dispensing equipment) the concentrated product and dilute with water. Fill a clean container with the diluted concentrate and place equipment (e.g. buckets, trays, fish nets, crates) in the solution, leave for at least 30 minutes before removing, drain, rinse the equipment with clean potable water and allow to dry. For larger pieces of equipment such as fish holding tanks, fill cleaned containers with disinfection solution, leave for a minimum of 30 minutes, drain, rinse with clean water and allow to dry.
Dilution ratios – FAM 1:75

4.4.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information).
A protective coverall (at least type 6, EN 13034) shall be worn.
The use of eye protection during handling of the product is mandatory.

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 Directions for use.

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

See 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 Directions for use.

4.5 Use description

Use 5 - Use # 5 (FAM) – boot and wheel disinfection - dipping

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use	Products used to disinfect the materials and surfaces associated with the housing or transportation of animals.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: all
Field(s) of use	Outdoor Outdoor
Application method(s)	Method: Open system: dip treatment Detailed description: The concentrated products are diluted by decanting or by dispensing (using dispensing equipment). The foot and wheel baths are filled with the diluted concentrate and placed at the entrances or exits. A two-minute contact time is to be ensured before moving from one area to another.
Application rate(s) and frequencies	Application Rate: Wheel bath (250 litres) – once per week (based upon the risk assessment up to 400 litres may be used). Boot bath (10 litres) – every day Dilution (%): Dilution ratios – FAM 1:75 Number and timing of application: Wheel bath (250 litres) – once per week (based upon the risk assessment up to 400 litres may be used) Boot bath (10 litres) – every day
Category(ies) of users	Professional
Pack sizes and packaging material	Container, Plastic: HDPE , 5-1000 L

4.5.1 Use-specific instructions for use

<p>Clean and rinse surfaces prior to disinfection</p> <p>Decant or dispense (using dispensing equipment) the concentrated product and dilute with water. Fill foot/wheel bath with the diluted concentrate and place at the entrances/ exits and ensure a two minute contact time before moving from one area to another.</p> <p>Dispose of used solutions to wastewater.</p> <p>Empty, clean and refill wheel baths, up to a maximum volume of 400L</p> <p>Footbath must be kept indoors/under roof in order to prevent dilution by rain.</p> <p>Dilution ratios – FAM 1:75</p>
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4.5.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information).
A protective coverall (at least type 6, EN 13034) shall be worn.
The use of eye protection during handling of the product is mandatory.

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 Directions for use.

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

See 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 Directions for use.

5. General directions for use

5.1. Instructions for use

See Authorised uses.

5.2. Risk mitigation measures

See Authorised uses.

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

Description of first aid measures

Inhalation: Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

Skin contact: Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Inhalation: Irritation of nose, throat and airway.

Ingestion: May cause chemical burns in mouth and throat.

Skin contact: Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact: Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

Stability and reactivity :

Reactivity: Reacts with alkalis and generates heat.

Chemical stability: No particular stability concerns.

Conditions to avoid: Avoid exposure to high temperatures or direct sunlight.

Incompatible materials: Materials to avoid: Aluminium, Tin, Zinc and their alloys. Concentrated alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas. Oxidising agents as Iodine vapour may be evolved.

Hazardous decomposition products: When heated, vapours/gases hazardous to health may be formed.

Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Flush away spillage with plenty of water. Small Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

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

At the end of the treatment used solutions can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an on-site waste water treatment plant.

Dispose unused product and the packaging in accordance with local and/or national requirements.

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

36 months shelf-life

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials.

Avoid exposure to high temperatures or direct sunlight.

6. Other information

None.