

Summary of product characteristics for a biocidal product

Product name: Buffodine

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

Authorisation number: 5537

R4BP 3 asset reference number: SE-0020466-0000

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Administrative information

1.1. Trade names of the product

Buffodine

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	5537	
R4BP 3 asset reference number	SE-0020466-0000	
Date of the authorisation	25/03/2019	
Expiry date of the authorisation	28/01/2029	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Evans Vanodine International
Address of the manufacturer	Brierley Road, Walton Summit PR5 8AH Preston, Lancashire United Kingdom
Location of manufacturing sites	Brierley Road, Walton Summit PR5 8AH Preston, Lancashire United Kingdom

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

Active substance	1319 - Iodine
Name of the manufacturer	Independent Iodine Company NV
Address of the manufacturer	Hortensiadreef 40 2920 Kalmthout Belgium
Location of manufacturing sites	ACF Minera S.A. None None Chile

Active substance	1319 - Iodine
Name of the manufacturer	SQM Europe N.V.
Address of the manufacturer	St Pietersvliet 7, bus 8 2000 Antwerpen Chile
Location of manufacturing sites	SQM S.A. None None Chile

Active substance	1319 - Iodine
Name of the manufacturer	American Iodine Co. Inc, Norkem Ltd or Pantheon European Office
Address of the manufacturer	3120 Golden Springs Drive TX 75025 Plano United States
Location of manufacturing sites	Cosayach Nitratos S.A., Compania de Salitre y Yodo None none Chile

Active substance	1319 - Iodine
Name of the manufacturer	ISE Chemical Corporation
Address of the manufacturer	3-1, Kyobshi 1-Chrome, Chuo-ku None Toyko Japan
Location of manufacturing sites	Shirasato Plant in Chiba None None 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	1,114

2.2. Type of formulation

SL - Soluble concentrate

3. Hazard and precautionary statements

Hazard statements

Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

4. Authorised use(s)

4.1 Use description

Use 1 - Use # 1 – Fish egg disinfection by professional operators - indoor

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: Infectious pancreatic necrosis virus (IPN)
Common name: Infectious pancreatic necrosis virus (IPN)
Development stage: not applicable

Scientific name: Haemorrhagic septicaemia virus (VHS)
Common name: Haemorrhagic septicaemia virus (VHS)
Development stage: not applicable

Scientific name: Infectious salmon anaemia (ISA)
Common name: Infectious salmon anaemia virus (ISA)
Development stage: not applicable

Field(s) of use

<p>Application method(s)</p>	<p>Indoor</p> <p>DISINFECTATION FOR VETERINARY HYGIENE: Fish egg disinfection</p> <p>Method: Open system: immersion Detailed description: <u>Eyed eggs</u> – mix 100ml of product in 10 litres of water. Immerse eggs in prepared solution of Buffodine® for 10-minutes. After treatment wash the disinfected eggs gently in clean fresh water four or five times. <u>Newly Stripped eggs</u> – dissolve 90g NaCl in 10 litres of water (9 parts of NaCl:1000 parts water). Mix thoroughly and wash the milt from the fertilized eggs with this solution until they are clean.</p> <p>Dissolve 90g NaCl in 100ml of product and 10 litres of water (9 parts NaCl:10 parts of product:1000 parts water). Immerse the fertilized eggs in the prepared solution of Buffodine® for a period of 10-minutes.</p> <p>After treatment, wash the disinfected eggs gently in a solution of 90g NaCl in 10 litres of water (9 parts NaCl:1000 parts water). Then place eggs in trays of clean fresh water.</p> <p>The maximum number of disinfection events is 3 in a 12-month period.</p>
<p>Application rate(s) and frequencies</p>	<p>Application Rate: See Detailed description of the method for details. Dilution (%): See Detailed description of the method for details. Number and timing of application: See Detailed description of the method for details.</p>
<p>Category(ies) of users</p>	<p>Professional</p>
<p>Pack sizes and packaging material</p>	<p>1 Litre black HDPE bottle with black tamper resistant screw cap. 1 L bottles are supplied in a pack of 10 bottles in double-walled fibreboard outer.</p> <p>5 Litre HDPE bottle with a red tamper resistant screw cap. 5 L bottles are supplied in a pack of 2 bottles in double-walled fibreboard outer.</p>

4.1.1 Use-specific instructions for use

<p><u>Eyed eggs</u> – mix 100ml of product in 10 litres of water. Immerse eggs in prepared solution of Buffodine® for 10-minutes. After treatment wash the disinfected eggs gently in clean fresh water four or five times.</p> <p><u>Newly Stripped eggs</u> – dissolve 90g NaCl in 10 litres of water (9 parts of NaCl:1000 parts water). Mix thoroughly and wash the milt from the fertilized eggs with this solution until they are clean.</p> <p>Dissolve 90g NaCl in 100ml of product and 10 litres of water (9 parts NaCl:10 parts of product:1000 parts water). Immerse the fertilized eggs in the prepared solution of Buffodine® for a period of 10-minutes.</p> <p>After treatment, wash the disinfected eggs gently in a solution of 90g NaCl in 10 litres of water (9 parts NaCl:1000 parts water). Then place eggs in trays of clean fresh water.</p> <p>The maximum number of disinfection events is 3 in a 12-month period.</p> <p>Use the mixed solution only once. Pour the disinfection solution into drains and not into watercourses leading to fish farms or streams. Handle in accordance with good industrial hygiene and safety practice.</p>
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4.1.2 Use-specific risk mitigation measures

- Wear protective chemical resistant gloves when handling the concentrate or during application (glove material to be specified by the authorisation holder within the product information).
- .Keep away from food, drink and animal feeding stuffs.

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.

5. General directions for use

5.1. Instructions for use

See Use-specific instructions for use.

5.2. Risk mitigation measures

See Use-specific risk mitigation measures.

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

Description of first aid measures:

Inhalation: Unlikely route of exposure as the product does not contain volatile substances.
Ingestion: Do not induce vomiting. Give plenty of water to drink. Get medical attention.
Skin contact: Wash with plenty of water.
Eye contact: Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed:

Inhalation: No specific symptoms known.
Ingestion: No specific symptoms known. But - May cause discomfort if swallowed.
Skin contact: No specific symptoms known.
Eye contact: Prolonged contact may cause redness and/or tearing.

Stability and reactivity:

Reactivity: The following materials may react with the product: Oxidising materials.
Chemical stability: No particular stability concerns.
Conditions to avoid: Avoid exposure to high temperatures or direct sun light.
Incompatible materials: Materials to avoid: Oxidising agents.
Hazardous decomposition products: When heated, vapours/gases hazardous to health may be formed.
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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. Dispose of as chemical waste via an approved waste management organisation in accordance with national regulations.

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

- Discharge used solutions to drain (less than 5 litres).
- At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer depending on local requirements. Avoid release to an individual waste water treatment plant.
- Consign empty container to normal waste.

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

- Keep only in original containers in a cool, well-ventilated place
- Protect from direct sunlight
- Store at temperatures not exceeding 30 °C.
- Store away from the following materials: Oxidising materials.
- Shelf-life 18-months.

6. Other information

None.