

GOLD LINE

Instructions for use

Disinfection of hatching eggs at room temperature in the sluice

Product Type(s)	3
Where relevant, an exact description of the use	
Target organism(s) (including development stage)	<i>bacteria</i> <i>yeast</i> <i>fungi</i>
Field(s) of use	Indoor, hatcheries (sluice), disinfection of hatching eggs
Application method(s)	Closed system: cold fogging
Application rate(s) and frequency	1 L undiluted product per 15 m ³ (= 0.067 L/m ³); median droplet size ≤ 15 µm
Category(ies) of users	professional
Pack sizes and packaging material	1L bottle (PE) 20L can (HDPE) 220L drum (HDPE) 1.000L IBC container (PE)

Instructions for use

For loading the product:

The product may only be transferred/loaded with automatic pumps.

1 L product per 15 m³ (= 0.067 L/m³) must be distributed for a period of at least 30 minutes. When an application rate of 0.067 L/m³ is achieved the contact time starts.

For bactericidal, yeasticidal and fungicidal efficacy let take effect at 20 °C for 60 minute contact time. Afterwards the air in the chamber is replaced by means of an exhaust system.

The product is used as ready-to-use solution.

Disinfection after every new refilling of the disinfection chamber with eggs.

Only for use in dry enclosures of 4 -150 m³.

Biological validation shall be performed by the user of the biocidal products for each room setup (including e.g. hatching eggs, equipment) to be disinfected by fogging (or in a suitable "standard" room in a facility, if applicable) with the devices to be used, after which a protocol for disinfection processes in these rooms can be made and used thereafter.

Disinfection of hatching eggs at 36 °C e.g. in the hatcher

Product Type(s)	3
Where relevant, an exact description of the use	
Target organism(s) (including development stage)	<i>bacteria</i> <i>yeast</i> <i>fungi</i>
Field(s) of use	Indoor, hatcheries (hatcher), disinfection of hatching eggs
Application method(s)	Closed system: cold fogging
Application rate(s) and frequency	1 L undiluted product per 15 m ³ (= 0.067 L/m ³); median droplet size ≤ 15 µm
Category(ies) of users	professional
Pack sizes and packaging material	1L bottle (PE) 20L can (HDPE) 220L drum (HDPE) 1.000L IBC container (PE)

Instructions for use

For loading the product:

The product may only be transferred/loaded with automatic pumps.

1 L product per 15 m³ (= 0.067 L/m³) must be distributed for a period of at least 30 minutes. When an application rate of 0.067 L/m³ is achieved the contact time starts.

For bactericidal, yeasticidal and fungicidal efficacy let take effect at 36 °C for 60 minute contact time. Afterwards the air in the chamber is replaced by means of an exhaust system.

The product is used as ready-to-use solution.

Disinfection after every new refilling of the disinfection chamber with eggs.

Only for use in dry enclosures of 4 -150 m³.

Biological validation shall be performed by the user of the biocidal products for each room setup (including e.g. hatching eggs, equipment) to be disinfected by fogging (or in a suitable "standard" room in a facility, if applicable) with the devices to be used, after which a protocol for disinfection processes in these rooms can be made and used thereafter.

Risk mitigation measures

For loading the product:

- 1) The use of eye protection during handling of the product is recommended.

For application of the product:

- 2) Application of the product is only permitted in closed, airtight disinfection systems. Workers must not be present during disinfection process./ No workers are allowed in the disinfection chamber during application.
- 3) The disinfection shall only be started from the outside to avoid contact with the disinfectant.
- 4) The chamber must remain hermetically sealed during disinfection and re-entry must be prevented. It shall be indicated that a disinfection process is running.
- 5) After application, the chamber must be completely ventilated by a technical ventilation system.
- 6) Re-entry is only permitted once the product has dried from all surfaces and the air concentrations of peracetic acid and hydrogen peroxide have dropped below the respective reference values (AECs). To ensure sufficient ventilation, either a disinfection system with sensors indicating when the relevant concentrations have dropped below the reference values has to be used, or the required duration of the technical ventilation has to be established by measurement with suitable measurement equipment for each technical installation and after any change in relevant boundary conditions.

For repair or maintenance of dosing pumps:

- 7) Prior to intervention in the pumps, existing product residues must be largely removed by flushing the pumps.

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

First aid

- 1) IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.
- 2) IF SWALLOWED: Rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call a POISON CENTRE or a doctor.
- 3) IF ON SKIN: Wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.
- 4) IF IN EYES: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes. Call a POISON CENTRE or a doctor.

Environment:

- 5) Avoid direct release of the undiluted product to the environment and sewage system.
- 6) Large spills: Cover the liquid with absorbent material. Contain and collect for disposal.

Instructions for safe disposal of the product and its packaging

- 1) Residues of the biocidal product must be disposed off in accordance with the Waste Framework Directive (2008/98/EG) and the European Waste Catalogue (EWC) as well as national and regional regulations.
- 2) Do not empty into drains.
- 3) Dispose of contents/container to an authorised waste collection point.
- 4) Leave biocidal products in original containers. Do not mix with other wastes.
- 5) When totally empty, containers are recyclable.

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

- 1) Shelf life: 12 months.
- 2) Protect from frost.
- 3) Store at temperatures below 30°C.

Other information

- 1) Please be aware of the EU reference value of 0.5 mg/m³ for the active substance peracetic acid (CAS No.: 79-21-0) which was used for the risk assessment for this product.
- 2) Please be aware of the EU reference value of 1.25 mg/m³ for the substance of concern hydrogen peroxide (CAS No.: 7722-84-1) which was used for the risk assessment for this product.
- 3) Please be aware of the EU reference value of 17.9 mg/kg bw/d for the substance of concern propan-2-ol (CAS No.: 67-63-0) which was used for the risk assessment for this product.
- 4) For orientation: relative humidity as tested in adapted EN 17272 for efficacy: 33 - 53 %.