Summary of product characteristics for a biocidal product

Product name: Netwax NI 3

Product type(s): PT21 - Antifouling products (Other biocidal products)

Authorisation number: IE/BPA 70636

R4BP 3 asset reference number: IE-0031158-0002

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Administrative information

1.1. Trade names of the product

Netwax NI 3

1.2. Authorisation holder

Name and address of the authorisation holder	Name	NetKem AS
	Address	Slalomveien 1 NO-1410 Kolbotn Norway
Authorisation number	IE/BPA 70636 1-1	

R4BP 3 asset reference number	IE-0031158-0002
Date of the authorisation	26/09/2023
Expiry date of the authorisation	26/09/2033

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	NetKem AS
Address of the manufacturer	Slalåmveien 1 1410 Kolbotn Norway
Location of manufacturing sites	Østensjøveien 13 N-0661 Oslo Norway

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

Active substance	1289 - Dicopper oxide
Name of the manufacturer	Nordox AS
Address of the manufacturer	Østensjøveien 13 N-0661 Oslo Norway
Location of manufacturing sites	Østensjøveien 13 N-0661 Oslo Norway

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 (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	20,2

2.2. Type of formulation

SD - Suspension concentrate for direct application

3. Hazard and precautionary statements

Hazard statements	May be corrosive to metals. Very toxic to aquatic life with long lasting effects. Contains a mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (CMIT/MIT) (3:1). May produce an allergic reaction.
Precautionary statements	Avoid release to the environment. Absorb spillage to prevent material damage. Collect spillage. Store in a corrosion resistant container/ container with a resistant inner liner. 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 - Treatment of Aquaculture Nets

Product type	PT21 - Antifouling products (Other biocidal products)
Where relevant, an exact description of the authorised use	Protection against fouling of nets used in aquaculture.
Target organism(s) (including development stage)	Scientific name: Slime, Weed (macro algae) and Animals Common name: Slime, Weed (macro algae) and Animals Development stage: n/a
Field(s) of use	Indoor Outdoor Antifouling products for protection against marine growth on fish farming nets.
Application method(s)	Method: Dipping or by vacuum treatment Detailed description: Stir vigorously for 5 minutes with an appropriate stirring mechanism before use to ensure a homogenous solution. Ready to use. To be used undiluted. Let the net soak in the product for a minimum of 20 minutes to ensure that 0.8 - 1.2 kg of product is applied per 1 kg of dry net. Then let the net hang to dry. For vacuum impregnation, apply according to the machine manufacturer's instructions, and/or guidance from NetKem AS. Adjust pressure and number of cycles, if necessary, to achieve the desired pickup on the net. IMPORTANT! Nets must be completely dry before they are put into the sea. The container should be tilted a little for complete emptying. The product may be diluted with approx. 5 % of water to facilitate emptying.
Application rate(s) and frequencies	Application Rate: 0.8 -1.2 kg of RTU product per 1 kg of dry net Dilution (%): RTU product Number and timing of application: See Section 6
Category(ies) of users	Industrial
Pack sizes and packaging material	200L Plastic Drum (HDPE) with "fast seal" lid (nylon) 1000L Intermediate Bulk Containers (HDPE contained within a steel cage) with "fast seal" lid (nylon). Plastic seal covering outlet

4.1.1 Use-specific instructions for use

Stir vigorously for 5 minutes with an appropriate stirring mechanism before use to ensure a homogenous solution.
Ready to use. To be used undiluted.
Let the net soak in the product for a minimum of 20 minutes to ensure that 0.8 - 1.2 kg of product is applied per 1 kg of dry net. Then let the net hang to dry.
For vacuum impregnation, apply according to the machine manufacturer's instructions, and/or guidance from NetKem AS. Adjust pressure and number of cycles, if necessary, to achieve the desired pickup on the net.
IMPORTANT! Nets must be completely dry before they are put into the sea.
The container should be tilted a little for complete emptying. The product may be diluted with approx. 5 % of water to facilitate emptying.

4.1.2 Use-specific risk mitigation measures

See Section 5.2

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

IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.
IF SWALLOWED: If symptoms occur call a POISON CENTRE or a doctor.
IF ON SKIN: Take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation or rash occur: Get medical advice.
IF IN EYES: If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

See Section 5.3 for emergency measures for the environment

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

See Section 5.4

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

See Section 5.5

5. General directions for use

5.1. Instructions for use

Ready for use-products must be stirred well for 5 minutes with an appropriate stirring mechanism until a homogenous solution is obtained before use.

Density and viscosity must be measured to ensure that the product is homogeneous prior to treatment. The measurements must be within the specification of this authorisation. Please follow the manufacturer's directions for how to measure density and viscosity.

5.2. Risk mitigation measures

Avoid breathing dust/mist
Avoid contact with skin and eyes.
Wash hands after handling and use
Wash contaminated clothing before reuse.
Personal protective equipment to be worn:

- Wear suitable gloves, i.e. Neoprene, nitrile rubber gloves or butylrubber protective gloves. (EN 374).
- A double coverall, a chemically resistant (at least type 3, EN-14605) coverall which is impermeable for the biocidal product (coverall material to be specified by the authorisation holder within the product information) shall be worn with at least a long-sleeve, long-leg cotton coverall underneath.

- Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Avoid release to the environment.
Application, maintenance and repair activities shall (1) be conducted within a contained area to prevent losses and minimize emissions to the environment, meaning (2) on an impermeable hard standing with bunding or (3) on soil covered with an impermeable material. Any losses or waste containing the antifouling active substances shall be collected for reuse or disposal.

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

First aid instructions: Meta specific advice is provided under Section 4.1.3.

Emergency measures for the environment:

Methods and materials for containment and cleaning up: Use absorbent material and dispose of material or solid residues at an authorised site.

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

Product/Packaging: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Hazardous waste due to toxicity. Avoid release to the environment.
Waste disposal number of unused product: UN number 1760/European waste code EWC 02 01 99.
Recommended container return system: IBC containers are returned and recycled through a suitable return system.

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

Conditions of Storage:
PROTECT FROM FROST.
Handle and store above +4°C and below +30°C
Protect from sunlight.

Shelf Life: 9 months

6. Other information

The label of the biocidal product must provide advise on how to perform the deployment of the treated nets. As a minimum, the label must specify that suitable chemical protective gloves should be used during net deployment. Other PPE should be specified by the authorisation holder's recommendation based on the performed risk assessments.

The label of the biocidal product should also provide advice on the deployment time for treated nets i.e., that the nets should be deployed for 270 days before they are taken up to be cleaned and reimpregnated-.

The label of the biocidal product must inform that high pressure water jet cleaning of treated nets should not be performed on site.

Cleaning impregnating machine
The impregnating machine is drained and emptied after each impregnating cycle, with little paint residue remaining in the machine following this process. It is not necessary to clean the machine after each treatment. The machine is cleaned either if the machine is not to be used again for some days or if another type of antifouling paint, or coating, is going to be used. The machine is cleaned using small amounts of water only. The water is pumped through the machine, to remove paint residues from the machine, and from the pipes, valves and pumps. Where it is necessary to dispose of this water it should be disposed of at a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Cleaning dipping tank
The dip tank is only cleaned periodically, typically every 4-8 months. Similar to the impregnation machine the dipping tank is hosed with water to remove sediment and dirt that may have come into the tank from the nets. This process is anticipated to remove the majority of paint residue with little paint residue left in the settlement and dirt on the bottom of the tank. Remaining dirt and sediment is manually removed at the end of the process. This last operation requires that the worker wears appropriate protective clothing. Waste product from the impregnating machines or dip tanks used during the application phase is collected. Where it is necessary to dispose of this water it should be disposed of at a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.