

Summary of product characteristics for a biocidal product

Product name: Aquanet Northsea C50

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

Authorisation number: NO-2022-0230

R4BP 3 asset reference number: NO-0029608-0004

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Administrative information

1.1. Trade names of the product

Aquanet Northsea C50

1.2. Authorisation holder

Name and address of the authorisation holder

Name	Steen-Hansen AS
Address	Ulsmågveien 24 5224 Nesttun Norway
Authorisation number	NO-2022-0230 1-3

R4BP 3 asset reference number

NO-0029608-0004

Date of the authorisation

16/11/2022

Expiry date of the authorisation

11/10/2032

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer

Steen-Hansen A/S

Address of the manufacturer

Ulsmågveien 24 NO-5224 Nesttun Norway

Location of manufacturing sites

Ulsmågveien 24 NO-5224 Nesttun Norway

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

Active substance	1289 - Dicopper oxide
Name of the manufacturer	Spiess-Urania Chemicals GmbH
Address of the manufacturer	Frankenstrasse 18 b 20097 Hamburg Germany
Location of manufacturing sites	c/o Aurubis AG, Muggenburger Hauptdeich 2 20539 Hamburg Germany

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	19,83
Silicon dioxide, chemically prepared	Silicon dioxide	Non-active substance	7631-86-9	231-545-4	0,174

2.2. Type of formulation

SC - Suspension concentrate (= flowable concentrate)

3. Hazard and precautionary statements

Hazard statements	<p>May be corrosive to metals.</p> <p>Causes serious eye damage.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>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.</p>
Precautionary statements	<p>Keep only in original packaging.</p> <p>Absorb spillage to prevent material damage.</p> <p>Store in a corrosion-resistant container with a resistant inner liner.</p> <p>Avoid release to the environment.</p>

Wear eye or face protection.

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 or doctor.

Collect spillage.

Dispose of contents to in accordance with national regulations.

Dispose of container to in accordance with national regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Antifouling coating- concentrate - 1:0.5 dilution

Product type	PT21 - Antifouling products (Other biocidal products)
Where relevant, an exact description of the authorised use	The Aquanet Northsea product family is intended to be used for the protection of nets used in aquaculture against fouling.
Target organism(s) (including development stage)	<p>Scientific name: Common name: Other: marine fouling species including algae, hydroids and skeleton Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>Outdoor</p> <p>The Aquanet NorthSea products are used in the control of fouling organisms in marine environment.</p>
Application method(s)	<p>Method: Open system: dip treatment Detailed description: The products are intended to be applied by dipping (nets are dipped into the product)</p> <p>Method: Vacuum treatment Detailed description: The products are intended to be applied by vacuum treatment.</p>

Application rate(s) and frequencies

Application Rate: 1.0 L of product per kg of net.
Dilution (%): 1:0.5 dilution with water.
Number and timing of application:
No data.

Application Rate: 1.0 L of product per kg of net.
Dilution (%): 1:0.5 dilution with water.
Number and timing of application:
No data.

Category(ies) of users

Industrial

Pack sizes and packaging material

1000 L HDPE IBC

4.1.1 Use-specific instructions for use

Concentrates must be diluted with the correct amount of water, as specified on the label. The products must be stirred well after addition of water. Dipping tanks with stirring or pumping equipment must be used. Density and viscosity must be measured prior to dipping, the measured values must be within the technical specification for the individual products. Density and viscosity must be measured to ensure that the product is homogeneous prior to dipping. Please follow the manufacturer's directions for how to measure density and viscosity.

Dilution procedure:

After transferring the concentrated product to either a holding tank or a dipping tank, the IBC must be filled with the correct amount of water. The water is then transferred to the holding or dipping tank, followed by stirring of the mixture.

Dipping of nets:

Lower the net in the dipping tank using remotely operated net rollers and dip the net in the product for a minimum of 30 minutes whilst it is being held down by a weight attached to a crane. Ensure the net to be treated is completely wetted with the product. After treatment, remove the weight, roll back the net onto the roller and leave to dry by injecting dried air into the net rolls.

Vacuum treatment of nets:

The lid of the net-bag is opened, and the net lowered into the vacuum bag using a remotely operated net rollers or a crane. Transport a specified amount of product from the vacuum-tank to the vacuum-bag, through the lid on the top. Start the program of "vacuuming the bag" so that the product enters through the net to be treated. Regardless of the size of the vacuum-bag, lowest

pressure >0.8 bar. To ensure that the net to be treated is completely wetted with the product. Apply the following program setting for the vacuum equipment "run x number of cycles (>4)". Set on the program of "drying" so that the rest of the product left in the bag is transported back to the tank, through the bottom of the vacuum-bag. After finishing treatment, open the lid and lift the net off the bag using a crane or remote-controlled net rollers to the next process (drying-process).

Lowest pressure during vacuum cycles: 0.8 bar
Max amount of application cycles: 4
Max amount of drying cycles: 4
Avoid pushing paint above the vacuum bag
Allow leftover paint to reset for 2-3 days before re-use

4.1.2 Use-specific risk mitigation measures

Wear suitable gloves; i.e. Nitrile rubber gloves or natural rubber gloves (EN 374).

A protective coverall (at least type 6, EN-13034) shall be worn (coverall material to be specified by the authorisation holder within the product information).

Use eye protection to EN 166, designed to protect against liquid splashes.

Please see also 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

Please see 5.3

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

Please see 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

Please see 5.5

5. General directions for use

5.1. Instructions for use

Concentrates must be diluted with the correct amount of water, as specified on the label. The products must be stirred well after addition of water. Dipping tanks with stirring or pumping equipment must be used. Density and viscosity must be measured prior to dipping, the measured values must be within the technical specification for the individual products. Density and viscosity must be measured to ensure that the product is homogeneous prior to dipping. Please follow the manufacturer's directions for how to measure density and viscosity.

Dilution procedure:

After transferring the concentrated product to either a holding tank or a dipping tank, the IBC must be filled with the correct amount of water. The water is then transferred to the holding or dipping tank, followed by stirring of the mixture. Density and viscosity must be measured prior to dipping, the measured values must be within the technical specification for the individual products. – Density and viscosity must be measured to ensure that the product is homogeneous prior to dipping. Please follow the manufacturer's directions for how to measure density and viscosity.

Dipping of nets:

Lower the net in the dipping tank using remotely operated net rollers and dip the net in the product for a minimum of 30 minutes whilst it is being held down by a weight attached to a crane. Ensure the net to be treated is completely wetted with the product. After treatment, remove the weight, roll back the net onto the roller and leave to dry by injecting dried air into the net rolls.

Vacuum treatment of nets:

The lid of the net-bag is opened, and the net lowered into the vacuum bag using a remotely operated net rollers or a crane. Transport a specified amount of product from the vacuum-tank to the vacuum-bag, through the lid on the top. Start the program of "vacuuming the bag" so that the product enters through the net to be treated. Regardless of the size of the vacuum-bag, lowest pressure >0.8 bar. To ensure that the net to be treated is completely wetted with the product. Apply the following program setting for the vacuum equipment "run x number of cycles (>4)". Set on the program of "drying" so that the rest of the product left in the bag is transported back to the tank, through the bottom of the vacuum-bag. After finishing treatment, open the lid and lift the net off the bag using a crane or remote-controlled net rollers to the next process (drying-process).

Lowest pressure during vacuum cycles: 0.8 bar
Max amount of application cycles: 4
Max amount of drying cycles: 4
Avoid pushing paint above the vacuum bag
Allow leftover paint to reset for 2-3 days before re-use

5.2. Risk mitigation measures

Wear suitable gloves; i.e. Nitrile rubber gloves or natural rubber gloves (EN 374).

A protective overall (at least type 6, EN-13034) shall be worn (overall material to be specified by the authorisation holder within the product information).

Use eye protection to EN 166, designed to protect against liquid splashes.

Avoid breathing dust/mist

Use only outdoors or in a well-ventilated area

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Avoid contact with skin and eyes.

Wash hands after handling/use.

Avoid release to the environment.

The person responsible for the placing on the market of an article treated with this product, shall include the following RMM on the label:

- Application, maintenance and repair activities shall be conducted within a contained area to prevent losses and minimise emissions to the environment. This means that activities must take place on impermeable hard standing with bunding or on soil covered with an impermeable material. Any losses or waste containing antifouling biocides shall be collected for reuse or disposal.

- High pressure water jet cleaning on site should not be performed.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse.

Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

Avoid release to the environment.

Emergency measures for the environment:

Application solutions must be collected and disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.

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

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

The product must be stored at temperatures above 5°C and below 30 °C. Protect against sunlight.

The AquaNet North Sea BPF products are stable, when stored in the original packaging at ambient temperatures, for up to 12 months, provided that proper measures are taken to ensure that the product is homogeneous prior to application.

6. Other information

The label of the biocidal product must provide advise on how to perform the deployment of the treated nets. The label of the biocidal product must provide advise on the deployment of treated nets in areas with low fouling, such as the Baltic sea, i.e., that the nets be deployed for ca. 2 years before they are taken up to be cleaned and reimpregnated. As a minimum, the label must specify that suitable chemical protective gloves and eye protection (goggles) should be used during net deployment. Other PPE should be specified according to the authorisation holder's recommendations, including those needed based on the performed risk assessment. The label of the biocidal product must provide advise on the deployment of treated nets in areas with low fouling, such as the Baltic sea, i.e., that the nets be deployed for ca. 2 years before they are taken up to be cleaned and reimpregnated-.

The correct P501 sentence is:

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.