Summary of product characteristics for a biocidal product

Product name: Aquanet HG360

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

Authorisation number: NO-2021-0206

R4BP 3 asset reference number: NO-0026503-0002

Table Of Contents

Administrative information

1.1. Trade names of the product

Aquanet HG360

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Steen-Hansen AS
	Address	Ulsmågveien 24 5224 Nesttun Norway
Authorisation number	NO-2021-0206 1-2	

R4BP 3 asset reference number	NO-0026503-0002
Date of the authorisation	31/08/2021
Expiry date of the authorisation	16/04/2031

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, Müggenburger Hauptdeich 2 20539 Hamburg Germany

Active substance	1277 - Copper thiocyanate
Name of the manufacturer	Bardyke Chemicals Limited
Address of the manufacturer	Hamilton Road G72 7XJ Cambuslang United Kingdom
Location of manufacturing sites	Hamilton Road G72 7XJ Cambuslang United Kingdom

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	24,52
Copper thiocyanate		Active Substance	1111-67-7	214-183-1	8,04

2.2. Type of formulation

SC - Suspension concentrate (= flowable concentrate)

3. Hazard and precautionary statements

Hazard statements	Harmful if swallowed. Causes serious eye damage.

	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. Wear eye protection/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. IF SWALLOWED:Call a POISON CENTER or doctor if you feel unwell. Collect spillage. Dispose of contents to in accordance to national regulations. Dispose of container to in accordance to national regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Antifouling coating

Product type	PT21 - Antifouling products (Other biocidal products)
Where relevant, an exact description of the authorised use	To be used for the protection of nets used in aquaculture against fouling.
Target organism(s) (including development stage)	Scientific name: Common name: Other: marine fouling species including algae, hydroids and skeleton shrimps Development stage: Other: All stages of the lifecycle
Field(s) of use	Indoor Outdoor Used in the control of fouling organisms in marine environment

Application method(s)	Method: Open system: Dip treatment or vacuum treatment Detailed description: The product is a concentrate which should be diluted 1:1 with water before use. The product is intended to be applied by dipping or by vacuum treatment.
Application rate(s) and frequencies	Application Rate: 1-1.1 litre (in-use concentration) of the product/kg of net Dilution (%): 1:1 with water. Number and timing of application: 1 treatment per net.
Category(ies) of users	Industrial
Pack sizes and packaging material	1000 L HDPE IBC

4.1.1 Use-specific instructions for use

See section 5.1

4.1.2 Use-specific risk mitigation measures

Wear suitable gloves; i.e. Nitrile rubber gloves or natural rubber gloves. Layer thickness: > 0.20 mm. Breakthrough time: 480 minutes. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard 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.

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

See section 5.3

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

The product 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.

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 to ensure that the product is homogeneous prior to treatment. 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, 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

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.
Avoid release to the environment

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.

5.3. 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 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 material 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. Waste disposal number of unused product: UN number 3082/European waste code EWC 02 01 99

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

Storage temperature: 5 to 30 °C

Store in the original package in a well-ventilated place. Keep container tightly closed. Protect from sunlight.

Shelf-life: up to 12 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 gloves and eye protection/face protection should be used during net deployment. Other PPE should be specified according to the authorisation holder's recommendation.