

Summary of product characteristics for a biocidal product family

Family name: Brynsløkken AS - CuO - family

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

Authorisation number: NO-2022-0227

R4BP 3 asset reference number: NO-0028771-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

Brynsløkken AS - CuO - family

1.2. Product type(s)

PT21 - Antifouling products (Other biocidal products)

1.3. Authorisation holder

**Name and address of the
authorisation holder**

Name

Brynsløkken AS

Address

Friedberger Strasse 191 61118 Drøbak Norway

Authorisation number

NO-2022-0227

**R4BP 3 asset reference
number**

NO-0028771-0000

Date of the authorisation

03/06/2022

**Expiry date of the
authorisation**

03/06/2032

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer

Brynsløkken AS

Address of the manufacturer

Delitoppen 3 1540 Vestby Norway

Location of manufacturing sites

Delitoppen 3 1540 Vestby Norway

1.5. 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

Active substance	1289 - Dicopper oxide
Name of the manufacturer	American Chemet Corporation
Address of the manufacturer	145 Highway 282 MT 59635 East Helena MT United States
Location of manufacturing sites	145 Highway 282 MT 59635 East Helena MT United States

2. Product family composition and formulation

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	12 - 27,64

2.2. Type(s) of formulation

SD - Suspension concentrate for direct application

SC - Suspension concentrate (= flowable concentrate)

Part II.- Second information level - meta SPC(s)

1. Meta SPC administrative information

1.1. Meta SPC identifier

Meta SPC 1

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT21 - Antifouling products (Other biocidal products)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	18,01 - 21,67

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SC - Suspension concentrate (= flowable concentrate)

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes serious eye damage.
Very toxic to aquatic life with long lasting effects.
Very toxic to aquatic life.

Precautionary statements

Avoid release to the environment.

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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..

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

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Intended use - antifouling

Product type

PT21 - Antifouling products (Other biocidal products)

Where relevant, an exact description of the authorised use

The products are intended to be used for the protection of nets used in aquaculture against fouling.

Target organism(s) (including development stage)

Scientific name: N/A - several species
Common name: Algae
Development stage: all stages

Scientific name: N/A - several species
Common name: slimes
Development stage: all stages

Scientific name: N/A - several species
Common name: animals / other fouling organisms
Development stage: all stages

Field(s) of use

Outdoor

PT 21 – Antifouling products

The products are used in the control of fouling organisms in marine environment.

Application method(s)

Method: Open system: dip treatment

Detailed description:

The products are intended to be applied by dipping or by vacuum treatment.

Application rate(s) and frequencies

Application Rate: Approximately 0.9 liters / kg net

Dilution (%): The products are all concentrates and are to be diluted with water:

	<p>Notorius A12 (Red/Black; Conc.): Add 1000 L of Water to 1000 L of concentrate for the preparation of 2000 L of ready-to-use product. Alpha Net Gard (Red/Black; Conc.): Add 600 L of Water to 1000 L of concentrate for the preparation of 1600 L of ready-to-use product.</p> <p>Number and timing of application: 1 treatment per net</p>
Category(ies) of users	Industrial
Pack sizes and packaging material	1000 L IBC HDPE containers

4.1.1 Use-specific instructions for use

Please see 5.1.

4.1.2 Use-specific risk mitigation measures

- Wear suitable gloves; i.e. nitrile rubber, butyl-rubber, neoprene, polyethylene or PVC (EN 374)
- A protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information).
- Chemical goggles or face shield (EN 166).
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

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 of the meta SPC

5.1. Instructions for use

Description of dipping process:

Using a dipping chamber:
Empty the product from the IBC container into the dipping chamber and dilute with water as instructed (reference is made to the information concerning dilution listed under "Instructions for dilution"). Use the prescribed volume of water for dilution to rinse the IBC and empty the rinsing solution into the chamber as well. The concentrated antifouling paint and the correct load of water is mixed together in a dipping chamber with the use of a mobile dispersion mixer. The concentrated antifouling paint is mixed in a tank before adding the final mixture in the dipping chamber.
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.
Make sure that the nets are clean and dry before starting the treatment. The nets should stay immersed in the antifouling preparation for at least 15 minutes. Subsequent the nets are dried at a temperature below 60°C.

Using an impregnator:
For net impregnation, the net must be placed into a bag (the impregnator). Air should be removed from the bag through a valve to create vacuum inside the bag. The bag must be held in place and the impregnator lid lowered on top of the impregnator and sealed so that no air enters the process. The IBC container must be connected to the pump and the antifouling product pumped into the bag to immerse the net in the product. The vacuum should be then re-established within the bag and allowed to stand for a few minutes. This process can be repeated up to 5 times. Any remaining product must be transferred from the bag back to the IBC for use later. The nets are then removed from the bag and dried at a temperature below 60°C.
Net dipping requires the use of lifting machinery (crane-assisted dipping is assumed to be the standard method for professional dipping of nets).

5.2. Risk mitigation measures

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.

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

First aid measures

Description of first aid measures:

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 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. 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

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

The 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.

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

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 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.

Do not apply the products in meta SPC 1 to nets meant for use in the Baltic Sea.

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Notorius A12 (Red; Conc.)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

NO-0028771-0001 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	21,67

Trade name(s)

Notorius A12 (Black; Conc.)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

NO-0028771-0002 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	21,67

Trade name(s)

Alpha Net Gard (Red; Conc.)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

NO-0028771-0003 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	18,01

Trade name(s)

Alpha Net Gard (Black; Conc.)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

NO-0028771-0004 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	18,01

1. Meta SPC administrative information

1.1. Meta SPC identifier

Meta SPC 2

1.2. Suffix to the authorisation number

1-2

1.3 Product type(s)

PT21 - Antifouling products (Other biocidal products)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	24,36 - 27,64

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SC - Suspension concentrate (= flowable concentrate)

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful if swallowed.
Causes serious eye damage.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Wash hands thoroughly after handling.
Avoid release to the environment.
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.
Rinse mouth.
Collect spillage.
Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..
Dispose of container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Intended use - antifouling

Product type

PT21 - Antifouling products (Other biocidal products)

Where relevant, an exact description of the authorised use

The products are intended to be used for the protection of nets used in aquaculture against fouling.

Scientific name: N/A - several species

Target organism(s) (including development stage)	<p>Common name: Algae Development stage: all stages</p> <p>Scientific name: N/A - several species Common name: slimes Development stage: all stages</p> <p>Scientific name: N/A - several species Common name: animals / other fouling organisms Development stage: all stages</p>
Field(s) of use	<p>Outdoor</p> <p>PT 21 – Antifouling products The products are used in the control of fouling organisms in marine environment.</p>
Application method(s)	<p>Method: Open system: dip treatment Detailed description:</p> <p>The products are intended to be applied by dipping or by vacuum treatment.</p>
Application rate(s) and frequencies	<p>Application Rate: Approximately 0.9 liters / kg net Dilution (%): The products are all concentrates and are to be diluted with water. Notorius A (Yellow/Black; Conc.): Add 500 L of Water to 1000 L of concentrate for the preparation of 1500 L of ready-to-use product. Notorius A15 (Red/Black; Conc.): Add 800 L of Water to 1000 L of concentrate for the preparation of 1800 L of ready-to-use product. Number and timing of application:</p> <p>1 treatment per net</p>
Category(ies) of users	<p>Industrial</p>
Pack sizes and packaging material	<p>1000 L IBC HDPE containers</p>

4.1.1 Use-specific instructions for use

Please see 5.1

4.1.2 Use-specific risk mitigation measures

- Wear suitable gloves; nitrile rubber, butyl-rubber, neoprene, polyethylene or PVC (EN 374).
- A double coverall, a chemically resistant (at least 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.
- Chemical goggles or face shield (EN 166).
- Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

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 of the meta SPC

5.1. Instructions for use

Description of dipping process:

Using a dipping chamber:

Empty the product from the IBC container into the dipping chamber and dilute with water as instructed (reference is made to the information concerning dilution listed under "Instructions for dilution"). Use the prescribed volume of water for dilution to rinse the IBC and empty the rinsing solution into the chamber as well. The concentrated antifouling paint and the correct load of water is mixed together in a tank with the use of a mobile dispersion mixer. The concentrated antifouling paint is mixed in a tank before adding the final mixture in the dipping chamber.

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.

Make sure that the nets are clean and dry before starting the treatment. The nets should stay immersed in the antifouling preparation for at least 15 minutes. Subsequent the nets are dried at a temperature below 60° C.

Using an impregnator:

For net impregnation the net must be placed into a bag (the impregnator). Air should be removed from the bag through a valve to create vacuum inside the bag. The bag must be held in place and the impregnator lid lowered on top of the impregnator and sealed so that no air enters the process. The IBC container must be connected to the pump and the antifouling product pumped into the bag to immerse the net in the product. The vacuum should be then re-established within the bag and allowed to stand for a few minutes. This process can be repeated up to 5 times. Any remaining product must be transferred from the bag back to the IBC for use later. The nets are then removed from the bag and dried at a temperature below 60°C.

Net dipping requires the use of lifting machinery (crane-assisted dipping is assumed to be the standard method for professional dipping of nets).

5.2. Risk mitigation measures

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.

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

Description of first aid measures:

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 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. 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

The product must be stored at temperatures above 5°C and below 30°C.
The 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.
Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight

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 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.

Do not apply the products in meta SPC 2 to nets meant for use in the Baltic Sea.

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	Notorius A (Yellow; Conc.)	Market area: NO
	NO-0028771-0005 1-2	
Authorisation number (R4BP 3 asset reference number - National Authorisation)		

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	27,64

Trade name(s)

Notorius A (Black; Conc.)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0006 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	27,64

Trade name(s)

Notorius A15 (Red; Conc.)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0007 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	24,36

Trade name(s)

Notorius A15 (Black; Conc.)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0008 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	24,36

1. Meta SPC administrative information**1.1. Meta SPC identifier**

Meta SPC 3

1.2. Suffix to the authorisation number

1-3

1.3 Product type(s)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	12 - 12,04

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SD - Suspension concentrate for direct application

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes serious eye damage.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..

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

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Intended use - antifouling

Product type	PT21 - Antifouling products (Other biocidal products)
Where relevant, an exact description of the authorised use	The products are intended to be used for the protection of nets used in aquaculture against fouling.
Target organism(s) (including development stage)	Scientific name: N/A - several species Common name: Algae Development stage: all stages Scientific name: N/A - several species Common name: slimes Development stage: all stages Scientific name: N/A - several species Common name: animals / other fouling organisms Development stage: all stages
Field(s) of use	Outdoor PT 21 – Antifouling products The products are used in the control of fouling organisms in marine environment.
Application method(s)	Method: Open system: dip treatment Detailed description: The products are intended to be applied by dipping or by vacuum treatment.
Application rate(s) and frequencies	Application Rate: Approximately 0.9 liters / kg net Dilution (%): The products are all RTU (ready to use - not to be diluted). Number and timing of application: 1 treatment per net.
Category(ies) of users	Industrial
Pack sizes and packaging material	1000 L IBC HDPE containers

4.1.1 Use-specific instructions for use

Please see 5.1

4.1.2 Use-specific risk mitigation measures

- Wear suitable gloves; i.e. nitrile rubber, butyl-rubber, neoprene, polyethylene or PVC (EN 374)
- A protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information).
- Chemical goggles or face shield (EN 166).
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

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 of the meta SPC

5.1. Instructions for use

Description of dipping process:

Using a dipping chamber:

Empty the product from the IBC container into the dipping chamber (If needed rinse the IBC by use of approximately 20L of water and empty the rinsing solution into the chamber as well). To assure homogenisation of the preparation stirring is required. Make sure that the nets are clean and dry before starting the treatment. The nets should stay immersed in the antifouling preparation for at least 15 minutes. Subsequent the nets are dried at a temperature below 60° C.

Using an impregnator:

For net impregnation the net must be placed into a bag (the impregnator). Air should be removed from the bag through a valve to create vacuum inside the bag. The bag must be held in place and the impregnator lid lowered on top of the impregnator and sealed so that no air enters the process. The IBC container must be connected to the pump and the antifouling product pumped into the bag to immerse the net in the product. The vacuum should be then re-established within the bag and allowed to stand for a few minutes. This process can be repeated up to 5 times. Any remaining product must be transferred from the bag back to the IBC for use later. The nets are then removed from the bag and dried at a temperature below 60°C.

Net dipping requires the use of lifting machinery (crane-assisted dipping is assumed to be the standard method for professional dipping of nets).

5.2. Risk mitigation measures

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.

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

Description of first aid measures:

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 materials or solid residues at an authorized site.

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

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

The product must be stored at temperatures above 5°C and below 30 °C.
The 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.
Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight.

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 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.

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Notorius A12 (Red; RTU)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0009 1-3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	12

Trade name(s)

Notorius A12 (Black; RTU)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0010 1-3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	12

Trade name(s)

Alpha Net Gard (Red; RTU)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0011 1-3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	12,04

Trade name(s)

Alpha Net Gard (Black; RTU)

Market area: NO

Authorisation number(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0012 1-3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	12,04

1. Meta SPC administrative information

1.1. Meta SPC identifier

Meta SPC 4

1.2. Suffix to the authorisation number

1-4

1.3 Product type(s)

PT21 - Antifouling products (Other biocidal products)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	14,94 - 19,9

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SD - Suspension concentrate for direct application

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes serious eye damage.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..

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

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Intended use - Antifouling

Product type

PT21 - Antifouling products (Other biocidal products)

Where relevant, an exact description of the authorised use

The products are intended to be used for the protection of nets used in aquaculture against fouling.

Target organism(s) (including development stage)

Scientific name: N/A - several species
Common name: Algae
Development stage: all stages

Scientific name: N/A - several species
Common name: slimes
Development stage: all stages

Scientific name: N/A - several species
Common name: animals / other fouling organisms
Development stage: all stages

Field(s) of use

Outdoor

PT 21 – Antifouling products

The products are used in the control of fouling organisms in marine environment.

Application method(s)

Method: Open system: dip treatment
Detailed description:

The products are intended to be applied by dipping or by vacuum treatment.

Application rate(s) and frequencies

Application Rate: Approximately 0.9 liters / kg net
Dilution (%): The products are all RTU (ready to use - not to be diluted).
Number and timing of application:

	1 treatment per net.
Category(ies) of users	Industrial
Pack sizes and packaging material	1000 L IBC HDPE containers

4.1.1 Use-specific instructions for use

Please see 5.1

4.1.2 Use-specific risk mitigation measures

- Wear suitable gloves; i.e. nitrile rubber, butyl-rubber, neoprene, polyethylene or PVC (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.
- Chemical goggles or face shield (EN 166).
- Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

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 of the meta SPC

5.1. Instructions for use

Description of dipping process:
Using a dipping chamber:
Empty the product from the IBC container into the dipping chamber (If needed rinse the IBC by use of approximately 20L of water and empty the rinsing solution into the chamber as well). To assure homogenisation of the preparation stirring is required. Make sure that the nets are clean and dry before starting the treatment. The nets should stay immersed in the antifouling preparation for at least 15 minutes. Subsequent the nets are dried at a temperature below 60°C.

Using an impregnator:
For net impregnation the net must be placed into a bag (the impregnator). Air should be removed from the bag through a valve to create vacuum inside the bag. The bag must be held in place and the impregnator lid lowered on top of the impregnator and sealed so that no air enters the process. The IBC container must be connected to the pump and the antifouling product pumped into the bag to immerse the net in the product. The vacuum should be then re-established within the bag and allowed to stand for a few minutes. This process can be repeated up to 5 times. Any remaining product must be transferred from the bag back to the IBC for use later. The nets are then removed from the bag and dried at a temperature below 60°C.

Net dipping requires the use of lifting machinery (crane-assisted dipping is assumed to be the standard method for professional dipping of nets).

5.2. Risk mitigation measures

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.

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

First aid measures

Description of first aid measures:

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 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. 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

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

The 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.

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

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 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.

Do not apply the products in meta SPC 4 to nets meant for use in the Baltic Sea.

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7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Notorius A (Yellow; RTU)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0013 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	19,9

Trade name(s)

Notorius A (Black; RTU)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National
Authorisation)

NO-0028771-0014 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	19,9

Trade name(s)

Notorius A15 (Red; RTU)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

NO-0028771-0015 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	14,94

Trade name(s)

Notorius A15 (Black; RTU)

Market area: NO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

NO-0028771-0016 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Dicopper oxide		Active Substance	1317-39-1	215-270-7	14,94
