# Summary of product characteristics for a biocidal product

**Product name:** Notorius M3 (Yellow; RTU)

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

**Authorisation number:** NO-2022-0228

**R4BP 3 asset reference number:** NO-0029094-0003

## Table Of Contents

# Administrative information

## 1.1. Trade names of the product

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|---|
| Notorius M3 (Yellow; RTU) |

## 1.2. Authorisation holder

| | | |
|---|---|---|
| **Name and address of the authorisation holder** | Name | Brynsløkken AS |
| | Address | Friedberger Strasse 191 61118 Drøbak Norway |
| **Authorisation number** | NO-2022-0228 1-2 | |

| | |
|---|---|
| **R4BP 3 asset reference number** | NO-0029094-0003 |
| **Date of the authorisation** | 22/07/2022 |
| **Expiry date of the authorisation** | 22/07/2032 |

## 1.3. Manufacturer(s) of the biocidal products

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|---|---|
| **Name of the manufacturer** | Brynsløkken AS |
| **Address of the manufacturer** | Delitoppen 3 1540 Vestby Norway |
| **Location of manufacturing sites** | Delitoppen 3 1540 Vestby Norway |

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

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|---|---|
| **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 |

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|---|---|
| **Active substance** | 1289 - Dicopper oxide |
| **Name of the manufacturer** | RCL Ireland (acting for American Chemet Corporation) |
| **Address of the manufacturer** | 6th Floor, South Bank House, Barrow Street, Dublin, D04 TR29 D04 TR29 Dublin Ireland |
| **Location of manufacturing sites** | American Chemet Corporation Plant:145 Highway 282 MT 59635 East Helena United States |

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|---|---|
| **Active substance** | 1275 - Bis(1-hydroxy-1H-pyridine-2-thionato- O,S)copper (Copper pyrithione) |
| **Name of the manufacturer** | Lonza Cologne GmbH |
| **Address of the manufacturer** | Nattermannallee 1 50829 Cologne Germany |
| **Location of manufacturing sites** | Nattermannallee 1 50829 Cologne 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 | 12,95 |
| Bis(1-hydroxy-1H-pyridine-2-thionato-O,S)copper (Copper pyrithione) | | Active Substance | 14915-37-8 | 238-984-0 | 1,17 |
| Silicon dioxide, chemically prepared | Silicon dioxide | Non-active substance | 7631-86-9 | 231-545-4 | 0,1 |
| Alcohols, C16-18, ethoxylated | Alcohols C16-18, ethoxylated | Non-active substance | 68439-49-6 | 500-212-8 | 0,56 |

### 2.2. Type of formulation

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| SD - Suspension concentrate for direct application |

## 3. Hazard and precautionary statements

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|---|---|
| **Hazard statements** | Causes serious eye damage.<br><br>Harmful if inhaled.<br><br>May cause damage to organs nervous system through prolonged or repeated exposure ..<br><br>Very toxic to aquatic life.<br><br>Very toxic to aquatic life with long lasting effects. |
| **Precautionary statements** | Do not breathe spray.<br><br>Use only outdoors or in a well-ventilated area.<br><br>Wear protective gloves/protective clothing/eye protection.<br><br>IF INHALED:Remove person to fresh air and keep comfortable for breathing.<br><br>Call a POISON CENTER or doctor/physician if you feel unwell.<br><br>IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing.<br><br>Immediately call a doctor.<br><br>Avoid release to the environment.<br><br>Collect spillage.<br><br>Dispose of contents to approved disposal plant in accordance with local regulations.<br><br>Dispose of container to approved disposal plant in accordance with local regulations.. |

## 4. Authorised use(s)

### 4.1 Use description

**Use 1 - Use PT 21 – Antifouling - RTU**

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|---|---|
| **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: Several species<br>Common name: Algae<br>Development stage: all stages<br><br>Scientific name: Several species<br>Common name: slimes<br>Development stage: all stages<br><br>Scientific name: Several species<br>Common name: animals / other fouling organisms<br>Development stage: all stages |
| **Field(s) of use** | Outdoor<br><br>PT 21 – Antifouling products<br>The products are used in the control of fouling organisms in marine environment. |
| **Application method(s)** | Method: Dipping treatment or vacuum treatment<br>Detailed description:<br><br>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<br>Dilution (%): The products are all RTU (ready to use - not to be dilluted).<br>Number and timing of application:<br>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

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| 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. STANDARD 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

### 5.1. Instructions for use

Description of dipping process (RTU Products):
Empty the product from the IBC container into the dipping chamber (If needed rinse the IBC by use of a approximately 20 L of water and empty the rinsing solution into the chamber as well). To assure homogenisation of the preparation, stirring by a mobile dispersion mixure for five minutes 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.

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.

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

Description of dipping process (Concentrates):
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. To assure homogenisation of the preparation stirring by a mobile dispersion mixer for five minutes The concentrated antifouling paint and the correct load of water is mixed together in a tankbefore adding the mixture to the dipping chamber. 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.
Net dipping requires the use of lifting machinery (crane-assisted dipping is assumed to be the standard method for professional dipping of nets).

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.

Description of vacuum treatment of nets:
The net is placed into a bag (the impregnator). Air is then removed from the bag through a valve to create vacuum inside the bag. The bag is then held in place and the impregnator lid is lowered on top of the impregnator and sealed so that no air enters the process. The IBC container is connected to the pump and the antifouling product is pumped into the bag to immerse the net in the product. The vacuum is then re-established within the bag and allowed to stand for a few minutes. This process can be repeated up to 5 times depending on which service station and company performs the process. Any remaining product is transferred from the bag back to the IBC for use at a later date. The nets are then removed from the bag and dried in a manner similar to the nets treated through the dipping process

## 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.

## 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.
Information to Healthcare personnel/doctor:
Initiate life support measures if needed, thereafter call a POISON CENTRE.
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 5ºC and below 30 ºC.
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 product shall indicate that it contains iron hydroxide oxide yellow (nano).
Correction of H- og P-setninger:
H373 should read: May cause damage to the nervous system through prolonged or repeated exposure.
Updated: 30.06.2022