

# Summary of product characteristics for a biocidal product

**Product name:** Mare Nostrum Black

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

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**Authorisation number:** NO-2023-0253

**R4BP 3 asset reference number:** NO-0022018-0036

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## Administrative information

### 1.1. Trade names of the product

Mare Nostrum Black
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### 1.2. Authorisation holder

**Name and address of the authorisation holder**

Name	Jotun A/S
Address	P.O.Box 2021 NO-3202 Sandefjord Norway
Authorisation number	NO-2023-0253 1-20

**R4BP 3 asset reference number**

NO-0022018-0036
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**Date of the authorisation**

21/09/2023
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**Expiry date of the authorisation**

21/09/2033
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### 1.3. Manufacturer(s) of the biocidal products

**Name of the manufacturer**

Jotun A/S
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**Address of the manufacturer**

P.O. Box 2021 NO-3202 Sandefjord Norway
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**Location of manufacturing sites**

Industriveien 70 3219 Sandefjord Norway
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<b>Name of the manufacturer</b>	Jotun Paints (Europe) Ltd.
<b>Address of the manufacturer</b>	Stather Road, Flixborough, Scunthorpe DN15 8RR North Lincolnshire United Kingdom
<b>Location of manufacturing sites</b>	Stather Road, Flixborough, Scunthorpe DN15 8RR North Lincolnshire United Kingdom

<b>Name of the manufacturer</b>	Jotun Ibercia S.A.
<b>Address of the manufacturer</b>	Poligon Industrial Santa Rita Calle Estàtica, no 3 08755 Castellbisbal Barcelona Spain
<b>Location of manufacturing sites</b>	Poligon Industrial Santa Rita Calle Estàtica, no 3 08755 Castellbisbal Barcelona Spain

<b>Name of the manufacturer</b>	Jotun Boya San. ve Ticaret A.S.
<b>Address of the manufacturer</b>	Balabandere Caddesi Hilpark Suites Sitesi No. 10, Istinye 34460 Sariver - Istanbul Turkey
<b>Location of manufacturing sites</b>	Balabandere Caddesi Hilpark Suites Sitesi No. 10, Istinye 34460 Sariver - Istanbul Turkey

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

<b>Active substance</b>	1289 - Dicopper oxide
<b>Name of the manufacturer</b>	RCL Ireland (Acting for American Chemet Corporation (United States)) Ireland
<b>Address of the manufacturer</b>	145 Hwy 282 MT 59635 East Helena United States
<b>Location of manufacturing sites</b>	American Chemet Corporation 145 Hwy 282 East Helena United States

<b>Active substance</b>	1289 - Dicopper oxide
<b>Name of the manufacturer</b>	Nordox
<b>Address of the manufacturer</b>	Ostensjoveien 13 N-0661 Oslo Norway
<b>Location of manufacturing sites</b>	Ostensjoveien 13 N-0661 Oslo Norway
<b>Active substance</b>	1289 - Dicopper oxide
<b>Name of the manufacturer</b>	Cosaco GmbH
<b>Address of the manufacturer</b>	Singapurstrasse 1 20457 Hamburg Germany
<b>Location of manufacturing sites</b>	c/o Aurubis AG, Hovestrasse 50 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	26
Xylenes		Non-active substance	1330-20-7	215-535-7	5,59
Ethylbenzene		Non-active substance	100-41-4	202-849-4	1,86
Aromatic hydrocarbons C9		Non-active substance	128601-23-0	918-668-5	11,44
2-methoxy-1-methylethyl acetate		Non-active substance	108-65-6	203-603-9	4,54
Rosin		Non-active substance	8050-09-7	232-475-7	9,58
Zinc oxide		Non-active substance	1314-13-2	215-222-5	17,88
Tetraethyl silicate	Tetraethyl silicate	Non-active substance	78-10-4	201-083-8	0
1-methoxy-2-propanol	1-methoxy-2-propanol	Non-active substance	107-98-2	203-539-1	1,83

## 2.2. Type of formulation

AL - Any other liquid

## 3. Hazard and precautionary statements

### Hazard statements

Flammable liquid and vapour.  
Harmful if swallowed.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
Very toxic to aquatic life with long lasting effects.

### Precautionary statements

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read carefully and follow all instructions.  
Wear protective gloves.  
Wear eye or face protection.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.  
Avoid release to the environment.  
Avoid breathing vapours.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Collect spillage.  
Store locked up.  
Take off contaminated clothing. And wash it before reuse.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
Rinse mouth.  
IF ON SKIN: Wash with plenty of water.  
If skin irritation or rash occurs: Get medical attention.  
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.

Dispose of contents to all local, regional, national and international regulations.

Dispose of container to all local, regional, national and international regulations.

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Use # 20.1 - Professionals - Vessel Cat. 1 Art 19(1) authorisation / Vessel Cat. 3 and other structures Art. 19(1) authorisation

**Product type**

PT21 - Antifouling products (Other biocidal products)

**Where relevant, an exact description of the authorised use**

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**Target organism(s) (including development stage)**

Scientific name:  
Common name: Slime, Weed (macro algae) and Animals (all development stages)  
Development stage:

**Field(s) of use**

Indoor

Outdoor

The products are used to control the growth and settlement of fouling organisms (microbes and higher forms of plant or animal species) on vessels or other structures used in marine water.

Vessel categories:  
1. Paint for leisure crafts with a hull length of maximum 24 meter and a berth in marine environment.  
3. Paint for seagoing vessels for trade or business, naval and governmental vessels, and on super yachts (marine water).

Other structures in marine water like:  
Mariculture equipment other than fish nets (such as lobster pots)  
Buoys and other small objects  
Sluice doors  
Harbour constructions  
Inlet pipes of e.g. cooling systems  
Marine sensors  
Offshore constructions

The products are not intended for use in aquaculture.

**Application method(s)**

Method: Painting  
Detailed description:  
Brush, roller, airless spray.

**Application rate(s) and frequencies**

Application Rate: 0.08 L/m2 for Vessel Cat. 1, 0.2 L/m2 for Vessel Cat. 3, and 0.08-0.2 L/m2 for other structures  
Dilution (%):  
Number and timing of application:

	<p>Vessel Cat. 1: Annual application (maintenance): 1 coat (DFT 40 µm) per year. Application rate: 0.08 L/m<sup>2</sup>.</p> <p>In case of a first launching of a brand new boat, ensure that there are no unpainted areas.</p> <p>Vessel Cat. 3: Drydock interval: 12 months. Max total DFT of 100 µm (one coat of 100 µm or two coats of 50 µm). Application rate: 0.2 L/m<sup>2</sup>.</p> <p>Other structures: Application rate may vary (0.08-0.2 L/m<sup>2</sup>). Please consult with the authorisation holder.</p>
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	0.75, 3, 5, 10, 20 litre steel drums.

#### 4.1.1 Use-specific instructions for use

See general instructions for use

#### 4.1.2 Use-specific risk mitigation measures

Spraying and cleaning of spray equipment:

- Chemical resistant gloves (4H, teflon, nitrile rubber or polyvinyl alcohol (PVA) gloves) (EN 374).
- Chemical goggles or face shield (EN 166).
- A protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product (coverall material to be specified by the authorisation holder within the product information).
- Respiratory protection with an assigned protection factor (APF) of at least 10.

Potman including cleaning spray equipment:

- Chemical resistant gloves (4H, teflon, nitrile rubber or polyvinyl alcohol (PVA) gloves) (EN 374).
- Chemical goggles or face shield (EN 166).
- 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).



Brush and roller application:

- Chemical resistant gloves (4H, teflon, nitrile rubber or polyvinyl alcohol (PVA) gloves) (EN 374).
- Chemical goggles or face shield (EN 166).
- A protective coverall (at least type 6, EN-13034) (coverall material to be specified by the authorisation holder within the product information).

Sandblasting and gritfilling:

- Chemical resistant gloves (4H, teflon, nitrile rubber or polyvinyl alcohol (PVA) gloves) (EN 374).
- Chemical goggles or face shield (EN 166).
- 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) with at least a long-sleeve, long-leg cotton coverall underneath.
  - Respiratory protection with an assigned protection factor (APF) of at least 10.

(See also general risk mitigation measures)

#### **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: 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

(See also general instructions)

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

See general instructions for waste disposal

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

Conditions of storage:

Keep the containers in a dry, cool, well-ventilated place and away from sources of heat and ignition. Do not store at temperatures above 30°C. Containers must be kept tightly closed.

Claimed shelf-life: 36 months

(See also general instructions)

### **4.2 Use description**

#### **Use 2 - Use # 20.2 - Non-professionals - Vessel Cat. 1 Art. 19(5) authorisation**

**Product type**

PT21 - Antifouling products (Other biocidal products)

<b>Where relevant, an exact description of the authorised use</b>	-
<b>Target organism(s) (including development stage)</b>	Scientific name: Common name: Slime, Weed (macro algae) and Animals (all development stages) Development stage:
<b>Field(s) of use</b>	Outdoor  The products are used to control the growth and settlement of fouling organisms (microbes and higher forms of plant or animal species) on vessels in marine water.  Vessel category: 1. Paint for leisure crafts with a hull length of maximum 24 meter and a berth in marine environment.
<b>Application method(s)</b>	Method: Painting Detailed description: Brush, roller.
<b>Application rate(s) and frequencies</b>	Application Rate: 1 coat = 0.08 L/m <sup>2</sup> (DFT 40 µm) Dilution (%): Number and timing of application:  Vessel Cat. 1: Annual application (maintenance): 1 coat (DFT 40 µm) per year. Application rate: 0.08 L/m <sup>2</sup> .  In case of a first launching of a brand new boat, ensure that there are no unpainted areas.
<b>Category(ies) of users</b>	General public (non-professional)
<b>Pack sizes and packaging material</b>	0.75, 3, 5, 10 litre steel drums.

#### 4.2.1 Use-specific instructions for use

Comply with the instructions for use.  
(See also general instructions for use)

#### 4.2.2 Use-specific risk mitigation measures

Brush and roller application including washing out of brush:

- Chemical goggles.
- Chemical resistant gloves (EN 374).
- Protective coated coverall (e.g., type 6, EN 13034)

Removing paint by dry sanding:

- Chemical goggles.
- Dust mask (respiratory mask with an assigned protection factor of 4) should be worn by non-professionals when removing antifouling paint by dry grinding.
- Chemical resistant gloves (EN 374).
- Coverall or long sleeved shirt and trousers.

(See also general risk mitigation measures)

#### **4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

If medical advice is needed, have product container or label at hand .  
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

(See also general instructions)

#### **4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See general instructions for waste disposal

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

Keep out of reach of children and non-target animals/pets .

Conditions of storage:

Keep the containers in a dry, cool, well-ventilated place and away from sources of heat and ignition. Do not store at temperatures above 30°C. Containers must be kept tightly closed.

Claimed shelf-life: 48 months

(See also general instructions)

### **5. General directions for use**

#### **5.1. Instructions for use**

The surface must be clean and dry.

Products must be stirred well to a homogenous solution prior to use.

Frequently stirring during use is recommended.

Apply the product uniformly on the surfaces to be treated at the application rate so that efficacy is ensured during at least single fouling season.

The coating must be dry before immersion.

The users should report straightforward to the registration holder in case of inefficacy.

## 5.2. Risk mitigation measures

Use only outdoors or in a well-ventilated area.

Avoid breathing vapor/mist/dust

Avoid contact with skin and eyes.

Wash hands after handling/use.

Wash contaminated clothing before reuse.

Appropriate gloves should be supplied with products for nonprofessional users to ensure use of gloves when applying the product.

Children should be kept away from the painted boat until the paint is dry.

Unprotected persons should be kept out of treatment areas.

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 dicopper oxide shall be collected for reuse or disposal.

(See also use specific risk mitigation measures)

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

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.

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.

(See also use specific instructions)

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.

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

Dispose of contents and container in accordance with all local, regional, national and international regulations. Hazardous waste due to toxicity.

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

Keep the containers in a dry, cool, well-ventilated place and away from sources of heat and ignition. Do not store at temperatures above 30°C. Containers must be kept tightly closed.  
Claimed shelf-life: 48 months.

(See also use specific instructions)

#### **6. Other information**

Total binder range (including solvents): 25.00-31.00