



FPB.001-11.01

**SAFETY DATA SHEET****MARINE&MARINE PRO ANTIFOULING BOYA**

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
Commission Regulation (EU) 2020/878 of 18 June 2020.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name** MARINE&MARINE PRO ANTIFOULING BOYA  
**Product number** 340  
**Container size** 20 KG

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Özel bağlayıcı içeren, Kalay içermeyen, bakır içeriğine sahip zehirli (antifouling) bir boyadır.

**1.3. Details of the supplier of the safety data sheet**

**Supplier** POLİSAN KANSAL BOYA SAN. VE TİC. A.Ş.  
Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ  
TÜRKİYE  
www.polisankansai.com.tr  
+90 262 679 60 00  
+90 262 606 03 70  
info@polisankansai.com

**Contact person** Occupational Health and Safety Department

**Manufacturer** www.polisankansai.com  
POLİSAN KANSAL BOYA SAN. TİC. A.Ş.  
DİLOVASI O.S.B.  
1.KISIM LİMAN CAD. NO:7  
DİLOVASI – KOCAELİ  
TURKEY  
Tel: +90 262 754 80 00  
Fax: +90 262 754 74 34  
info@polisankansai.com

**1.4. Emergency telephone number**

**Emergency telephone** ULUSAL ZEHİR DANISMA MERKEZİ(UZEM):114 POLİSAN KANSAL BOYA SAN. TİC. A.Ş. : +90 262 679 73 45

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

**Classification (SI 2019 No. 720)**

**Physical hazards** Flam. Liq. 3 - H226  
**Health hazards** Eye Dam. 1 - H318 Skin Sens. 1 - H317 Asp. Tox. 1 - H304  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

**Classification (Regulation (EC)  
No. 1272/2008 CLP).**

**2.2. Label elements**

## MARINE&MARINE PRO ANTIFOULING BOYA

### Hazard pictograms



### Signal word

Danger

### Hazard statements

H302+H332 Harmful if swallowed or if inhaled.  
H319 Causes serious eye irritation.  
H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P501 İçeriği/kabı yerel/bölgesel/ulusal yönetmeliklere göre bertaraf edin.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see medical advice on this label).  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P391 Collect spillage.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Contains

dicopper oxide, SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN KEROSENE\*, biocide, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA(NOTE P)

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## MARINE&MARINE PRO ANTIFOULING BOYA

<b>dicopper oxide</b>		<b>20-25%</b>
CAS number: 1317-39-1	EC number: 215-270-7	
M factor (Acute) = 100	M factor (Chronic) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN KEROSENE*</b>		<b>10-20%</b>
CAS number: 64742-88-7	EC number: 265-191-7	
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304		
<b>biocide</b>		<b>5-10%</b>
CAS number: 12122-67-7	EC number: 235-180-1	
<b>Classification</b> Skin Sens. 1 - H317 STOT SE 3 - H335		
<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA(NOTE P)</b>		<b>1-5%</b>
CAS number: 64742-95-6	EC number: 265-199-0	
<b>Classification</b> Flam. Liq. 1 - H224 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H335, H336 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	If in doubt, get medical attention promptly. Get medical attention if symptoms are severe or persist. Never give anything by mouth to an unconscious person. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention immediately.

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**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

### 4.2. Most important symptoms and effects, both acute and delayed

**General information** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation** Vapours may cause drowsiness and dizziness.

**Ingestion** If accidentally swallowed obtain immediate medical attention. Keep affected person warm and at rest. Do not induce vomiting.

**Skin contact** Skin irritation. Harmful to health in contact with skin.

**Eye contact** Irritation, burning, lachrymation, blurred vision after liquid splash.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

**Unsuitable extinguishing media** Water.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is flammable.

**Hazardous combustion products** CO may be evolved if incomplete combustion occurred.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Follow precautions for safe handling described in this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

**For non-emergency personnel** No data available.

**For emergency responders** No data available.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge to the aquatic environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

## SECTION 7: Handling and storage

## MARINE&MARINE PRO ANTIFOULING BOYA

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Wear eye and face protection. Wear appropriate clothing to prevent any possibility of skin contact.

#### Advice on general occupational hygiene

When using do not eat, drink or smoke. Do not smoke in work area. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### Storage class

Flammable liquid storage.

### 7.3. Specific end use(s)

#### Usage description

Use the product according to its Technical Data Sheet or instructions written on the label.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Ensure that the direction of airflow is clearly away from the worker. Use approved respirator if air contamination is above an acceptable level. Use explosion-proof electrical, ventilating and lighting equipment. Static electricity and formation of sparks must be prevented.

#### Personal protection

Use the personal protective equipments showed above. Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

#### Hand protection

Use protective gloves.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

#### Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

#### Thermal hazards

No data available.

#### Environmental exposure controls

Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Flash point

31°C Closed cup.

#### Relative density

~ 1,57 @ 20°C

#### Viscosity

85-90 KU @ °C

## MARINE&MARINE PRO ANTIFOULING BOYA

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** Stable under normal conditions.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not known.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented.

##### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with the following materials: Acids - oxidising.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

ATE oral (mg/kg) 2,500.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 7.5

##### 11.2 Information on other hazards

**Information on other hazards** No information available.

#### SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

##### 12.1. Toxicity

##### 12.2. Persistence and degradability

##### 12.3. Bioaccumulative potential

##### 12.4. Mobility in soil

##### 12.5. Results of PBT and vPvB assessment

##### 12.6 Endocrine disrupting properties

**Endocrine disrupting properties** This product does not have endocrine disrupting properties.

##### 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

**General information** Do not puncture or incinerate, even when empty.

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### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

##### UN number or ID number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT

Proper shipping name (IMDG) PAINT (CONTAINS COPPER (I) OXIDE, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA(NOTE P))

Proper shipping name (ICAO) PAINT

Proper shipping name (ADN) PAINT

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

##### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y

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Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU legislation According to Regulation EC no: 1272/2008

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

<b>General information</b>	This safety data sheet information was prepared as a requirement of Chemical Substances Regulations. Special conditions, the supplier of the product are beyond our control utilization, the consumer is responsible for ensuring mandatories of legislation on the subject. This security information is in the form of interest today are based on the national legislation of the state consists of, health, safety and environmental respects the way. For special cases, technical performance and does not guarantee conformance. Given is based on our present knowledge, however, does not constitute a guarantee for any specific product features and shall not establish a legally valid contract.
<b>Key literature references and sources for data</b>	This SDS is prepared based on the information received from the raw material supplier.
<b>Issued by</b>	Emre ÇELİK/ Sertifika Numarası: KDU01.16.11 / Belge Tarihi: 12.04.2021
<b>Revision</b>	0
<b>Supersedes date</b>	02/04/2025
<b>SDS number</b>	23861
<b>Hazard statements in full</b>	H224 Extremely flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
<b>Signature</b>	Emre ÇELİK/Sertifika Numarası: KDU01.16.11/Belge Tarihi: 12.04.2021

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