



## YACHT VARNISH

Printing: 06/07/2022 Date of compilation: 30/10/2017 Revised: 05/07/2022 Version: 4 (Replaced 3)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** YACHT VARNISH  
**Other means of identification:**  
**UFI:** E2QD-53N6-T00U-U2S5
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Products for ships, boats, ... (construction, repair, ...); paints and varnishes  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
Troton Sp. z o.o.  
Ząbrowo 14A  
78-120 Gościno - Zachodniopomorskie - Polska  
Phone: +48 94 35 123 94 - Fax: +48 94 35 126 22  
troton@troton.com.pl  
www.troton.pl / www.troton.eu
- 1.4 Emergency telephone number:** ( 8am-4pm)+48 094 35 123 94; 112

### SECTION 2: HAZARDS IDENTIFICATION \*\*

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**
- 
- Hazard statements:**  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
STOT SE 3: H336 - May cause drowsiness or dizziness.
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P501: Dispose of contents/container according to the separated collection system used in your municipality.
- Supplementary information:**  
EUH066: Repeated exposure may cause skin dryness or cracking.  
EUH208: Contains phthalic anhydride. May produce an allergic reaction.
- Substances that contribute to the classification**  
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics; 1-methoxy-2-propanol
- 2.3 Other hazards:**  
Product fails to meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product fails to meet the criteria.

\*\* Changes with regards to the previous version

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- CONTINUED ON NEXT PAGE -



## YACHT VARNISH

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Date of compilation: 30/10/2017

Revised: 05/07/2022

Version: 4 (Replaced 3)

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

**3.1 Substance:**

Non-applicable

**3.2 Mixture:****Chemical description:** Mixture composed of chemical products**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 64742-48-9 EC: 919-857-5 Index: Non-applicable REACH: 01-2119463258-33-XXXX	<b>Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, &lt;2% aromatics<sup>(1)</sup></b>	Self-classified	25 - <50 %
	Regulation 1272/2008	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Danger	
CAS: 107-98-2 EC: 203-539-1 Index: 603-064-00-3 REACH: 01-2119457435-35-XXXX	<b>1-methoxy-2-propanol<sup>(1)</sup></b>	ATP ATP01	1 - <2,5 %
	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	
CAS: 85-44-9 EC: 201-607-5 Index: 607-009-00-4 REACH: 01-2119457017-41-XXXX	<b>phthalic anhydride<sup>(1)</sup></b>	ATP CLP00	<1 %
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	
CAS: 22464-99-9 EC: 245-018-1 Index: Non-applicable REACH: 01-2119979088-21-XXXX	<b>2-ethylhexanoic acid, zirconium salt<sup>(1)</sup></b>	Self-classified	<1 %
	Regulation 1272/2008	Repr. 2: H361d - Warning	

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

\*\* Changes with regards to the previous version

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable



## YACHT VARNISH

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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

##### Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

##### Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

##### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

##### For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

##### For emergency responders:

See section 8.

#### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

#### 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions



## YACHT VARNISH

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Date of compilation: 30/10/2017

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Version: 4 (Replaced 3)

## SECTION 7: HANDLING AND STORAGE (continued)

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

## C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

## D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

## A.- Technical measures for storage

Minimum Temp.: 10 °C

Maximum Temp.: 25 °C

Maximum time: 12 Months

## B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

## 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
	IOELV (8h)	100 ppm	375 mg/m <sup>3</sup>
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	IOELV (STEL)	150 ppm	568 mg/m <sup>3</sup>

## DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	183 mg/kg	Non-applicable
	Inhalation	553,5 mg/m <sup>3</sup>	553,5 mg/m <sup>3</sup>	369 mg/m <sup>3</sup>	Non-applicable
phthalic anhydride CAS: 85-44-9 EC: 201-607-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	10 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	32,2 mg/m <sup>3</sup>	Non-applicable
2-ethylhexanoic acid, zirconium salt CAS: 22464-99-9 EC: 245-018-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6,49 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	32,97 mg/m <sup>3</sup>	Non-applicable

## DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	Oral	Non-applicable	Non-applicable	33 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	78 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	43,9 mg/m <sup>3</sup>	Non-applicable

- CONTINUED ON NEXT PAGE -

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
phthalic anhydride CAS: 85-44-9 EC: 201-607-5	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,6 mg/m <sup>3</sup>	Non-applicable
2-ethylhexanoic acid, zirconium salt CAS: 22464-99-9 EC: 245-018-1	Oral	Non-applicable	Non-applicable	4,51 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,13 mg/m <sup>3</sup>	Non-applicable

## PNEC:

Identification				
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	STP	100 mg/L	Fresh water	10 mg/L
	Soil	4,59 mg/kg	Marine water	1 mg/L
	Intermittent	100 mg/L	Sediment (Fresh water)	52,3 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	5,2 mg/kg
phthalic anhydride CAS: 85-44-9 EC: 201-607-5	STP	10 mg/L	Fresh water	1 mg/L
	Soil	0,173 mg/kg	Marine water	0,1 mg/L
	Intermittent	5,6 mg/L	Sediment (Fresh water)	3,8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,38 mg/kg

## 8.2 Exposure controls:

## A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

## B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

## C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves		EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN ISO 21420:2020	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

## D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield		EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

## E.- Body protection



**YACHT VARNISH**

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Date of compilation: 30/10/2017

Revised: 05/07/2022

Version: 4 (Replaced 3)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES \*\* (continued)**

Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

**Flammability:**

Flash Point:	25 °C
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	270 °C
Lower flammability limit:	0,6 % Volume
Upper flammability limit:	13,7 % Volume

**Particle characteristics:**

Median equivalent diameter:	Non-applicable
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**9.2 Other information:****Information with regard to physical hazard classes:**

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

**Other safety characteristics:**

Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

*\*\* Changes with regards to the previous version***SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.*\*\* Changes with regards to the previous version*



## YACHT VARNISH

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Version: 4 (Replaced 3)

## SECTION 11: TOXICOLOGICAL INFORMATION \*\*

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

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

## A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

## B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

## C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

## D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

## E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

## F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

## G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

## H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



## YACHT VARNISH

Printing: 06/07/2022

Date of compilation: 30/10/2017

Revised: 05/07/2022

Version: 4 (Replaced 3)

## SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: 64742-48-9 EC: 919-857-5	>5000 mg/kg	>2000 mg/kg	Rat
	>2000 mg/kg	>2000 mg/kg	
	>20 mg/L	>20 mg/L	
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	>2000 mg/kg	>2000 mg/kg	
	>2000 mg/kg	>2000 mg/kg	
	>20 mg/L	>20 mg/L	
phthalic anhydride CAS: 85-44-9 EC: 201-607-5	1530 mg/kg	>2000 mg/kg	Rat
	>2000 mg/kg	>2000 mg/kg	
	>5 mg/L	>5 mg/L	
2-ethylhexanoic acid, zirconium salt CAS: 22464-99-9 EC: 245-018-1	2043 mg/kg	>2000 mg/kg	Rat
	>2000 mg/kg	>2000 mg/kg	
	>5 mg/L	>5 mg/L	

**11.2 Information on other hazards:****Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other information**

Non-applicable

*\*\* Changes with regards to the previous version*

## SECTION 12: ECOLOGICAL INFORMATION \*\*

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:****Acute toxicity:**

Identification	Concentration		Species	Genus
	LC50	EC50		
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	20800 mg/L (96 h)		Pimephales promelas	Fish
		23300 mg/L (48 h)	Daphnia magna	Crustacean
		1000 mg/L (168 h)	Selenastrum capricornutum	Algae
phthalic anhydride CAS: 85-44-9 EC: 201-607-5	Non-applicable			
	Non-applicable			
	60 mg/L (96 h)		Pseudokirchneriella subcapitata	Algae

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## YACHT VARNISH

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Revised: 05/07/2022

Version: 4 (Replaced 3)

## SECTION 12: ECOLOGICAL INFORMATION \*\* (continued)

Identification	Concentration		Species	Genus
	LC50	270 mg/L (96 h)		
2-ethylhexanoic acid, zirconium salt	EC50	Non-applicable	N/A	Fish
CAS: 22464-99-9	EC50	Non-applicable		
EC: 245-018-1	EC50	Non-applicable		

**Chronic toxicity:**

Identification	Concentration		Species	Genus
	NOEC	10 mg/L		
phthalic anhydride	NOEC <td>16 mg/L</td> <td>Oncorhynchus mykiss</td> <td>Fish</td>	16 mg/L	Oncorhynchus mykiss	Fish
CAS: 85-44-9 EC: 201-607-5	NOEC <td>Non-applicable</td> <td>Daphnia magna</td> <td>Crustacean</td>	Non-applicable	Daphnia magna	Crustacean
2-ethylhexanoic acid, zirconium salt	NOEC <td>25 mg/L</td> <td rowspan="2">Daphnia magna</td> <td rowspan="2">Crustacean</td>	25 mg/L	Daphnia magna	Crustacean
CAS: 22464-99-9 EC: 245-018-1	NOEC <td>Non-applicable</td>	Non-applicable		

**12.2 Persistence and degradability:**

Identification	Degradability		Biodegradability	
	BOD5	Non-applicable	Concentration	Non-applicable
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics	COD	Non-applicable	Period	28 days
CAS: 64742-48-9	BOD5/COD	Non-applicable	% Biodegradable	80 %
EC: 919-857-5	BOD5	Non-applicable	Concentration	100 mg/L
1-methoxy-2-propanol	COD	Non-applicable	Period	28 days
CAS: 107-98-2	BOD5/COD	Non-applicable	% Biodegradable	90 %
EC: 203-539-1	BOD5	Non-applicable	Concentration	100 mg/L
phthalic anhydride	COD	Non-applicable	Period	14 days
CAS: 85-44-9	BOD5/COD	Non-applicable	% Biodegradable	85,2 %
EC: 201-607-5	BOD5	Non-applicable	Concentration	20 mg/L
2-ethylhexanoic acid, zirconium salt	COD	Non-applicable	Period	28 days
CAS: 22464-99-9	BOD5/COD	Non-applicable	% Biodegradable	99 %
EC: 245-018-1				

**12.3 Bioaccumulative potential:**

Identification	Bioaccumulation potential	
	BCF	3
1-methoxy-2-propanol	Pow Log	-0.44
CAS: 107-98-2	Potential	Low
EC: 203-539-1	BCF	
2-ethylhexanoic acid, zirconium salt	Pow Log	2.96
CAS: 22464-99-9	Potential	
EC: 245-018-1		

**12.4 Mobility in soil:**

\*\* Changes with regards to the previous version



## YACHT VARNISH

Printing: 06/07/2022

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Version: 4 (Replaced 3)

## SECTION 12: ECOLOGICAL INFORMATION \*\* (continued)

Identification	Absorption/desorption		Volatility	
phthalic anhydride CAS: 85-44-9 EC: 201-607-5	Koc	36	Henry	Non-applicable
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	1,531E-2 N/m (324,43 °C)	Moist soil	Non-applicable
2-ethylhexanoic acid, zirconium salt CAS: 22464-99-9 EC: 245-018-1	Koc	Non-applicable	Henry	2,94E-1 Pa·m <sup>3</sup> /mol
	Conclusion	Non-applicable	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product fails to meet the criteria.

**12.7 Other adverse effects:**

Not described

*\*\* Changes with regards to the previous version*

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

**Type of waste (Regulation (EU) No 1357/2014):**

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

- CONTINUED ON NEXT PAGE -

## YACHT VARNISH

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### SECTION 14: TRANSPORT INFORMATION

#### Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



- |  |                |
|--|----------------|
| <b>14.1 UN number or ID number:</b>                                  | UN1263         |
| <b>14.2 UN proper shipping name:</b>                                 | PAINT          |
| <b>14.3 Transport hazard class(es):</b>                              | 3              |
| Labels:  | 3              |
| <b>14.4 Packing group:</b>   | III            |
| <b>14.5 Environmental hazards:</b>                                   | No             |
| <b>14.6 Special precautions for user</b>                             |                |
| Special regulations:   | 163, 367, 650  |
| Tunnel restriction code:   | D/E            |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | 5 L            |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable |

#### Transport of dangerous goods by sea:

With regard to IMDG 40-20:



- |  |                    |
|--|--------------------|
| <b>14.1 UN number or ID number:</b>                                  | UN1263             |
| <b>14.2 UN proper shipping name:</b>                                 | PAINT              |
| <b>14.3 Transport hazard class(es):</b>                              | 3                  |
| Labels:  | 3                  |
| <b>14.4 Packing group:</b>   | III                |
| <b>14.5 Marine pollutant:</b>  | No                 |
| <b>14.6 Special precautions for user</b>                             |                    |
| Special regulations:   | 223, 955, 163, 367 |
| EmS Codes:   | F-E, S-E           |
| Physico-Chemical properties:   | see section 9      |
| Limited quantities:  | 5 L                |
| Segregation group:   | Non-applicable     |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable     |

#### Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:



- |  |                |
|--|----------------|
| <b>14.1 UN number or ID number:</b>                                  | UN1263         |
| <b>14.2 UN proper shipping name:</b>                                 | PAINT          |
| <b>14.3 Transport hazard class(es):</b>                              | 3              |
| Labels:  | 3              |
| <b>14.4 Packing group:</b>   | III            |
| <b>14.5 Environmental hazards:</b>                                   | No             |
| <b>14.6 Special precautions for user</b>                             |                |
| Physico-Chemical properties:   | see section 9  |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable |

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable



## YACHT VARNISH

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## SECTION 15: REGULATORY INFORMATION (continued)

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION \*\*

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
  - phthalic anhydride (85-44-9)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Pictograms
- Hazard statements
- Precautionary statements
- Supplementary information

Information on basic physical and chemical properties (SECTION 9):

- Flash Point

**Texts of the legislative phrases mentioned in section 2:**

H336: May cause drowsiness or dizziness.

H226: Flammable liquid and vapour.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Dam. 1: H318 - Causes serious eye damage.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 2: H361d - Suspected of damaging the unborn child.

Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

**YACHT VARNISH**

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**SECTION 16: OTHER INFORMATION \*\* (continued)****Classification procedure:**

STOT SE 3: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

*\*\* Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -