

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **VEMALUX ENAMEL TOPCOAT**

- Article number: 12
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Coating
- Life cycle stages PW Widespread use by professional workers
- Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- Product category PC9a Coatings and paints, thinners, paint removers
- Process category
PROC7 Industrial spraying
PROC10 Roller application or brushing
- Environmental release category ERC2 Formulation into mixture
- Article category AC30 Other articles with intended release of substances
- Technical function Other
- Application of the substance / the mixture Surface protection

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:



VEMAR YACHT COATINGS
HB BODY S.A. ATHENS - DIYLISTIRION AV. - GR 19300 - ASPROPYRGOS - GREECE
T: +30 210 55 90 411-2 F: +30 210 55 90 713
email: sales@vemarcoatings.com website: www.vemarcoatings.com

Further information obtainable from:



VEMAR YACHT COATINGS
HB BODY S.A. ATHENS - DIYLISTIRION AV. - GR 19300 - ASPROPYRGOS - GREECE
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email: sales@vemarcoatings.com website: www.vemarcoatings.com

FF GROUP TOOL INDUSTRIES
9.5Km Paradromos Atiickis Odou,
Exit 4, Aspropyrgos, 19 300
Athens, Greece.
Ph: (+30) 210-5598400 - Fax: (+30) 210-5598440 - <http://http://www.ffgroup-toolindustries.com>

1.4 Emergency telephone number:

Regional Medicines and Poisons Information Centre NI
Pharmacy Department, Royal Hospital Suite
Grosvenor Road Belfast
Telephone: +44 28 90 63 2032
Fax: +44 28 90 24 80 30
Emergency telephone: 844 892 0111
E-mail address: nirdic.nirdic@belfasttrust.hscni.net
Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

Trade name: VEMALUX ENAMEL TOPCOAT

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

Repr. 1A H360 May damage fertility or the unborn child.

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- Hazard pictograms



GHS02



GHS07



GHS08

- Signal word Danger
- Hazard-determining components of labelling:
Low boiling point hydrogen treated naphtha
octaic lead
Naphtha (petroleum), hydrotreated light
- Hazard statements
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H360 May damage fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
Restricted to professional users.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of hazardous substances listed below with nonhazardous additions.

Trade name: VEMALUX ENAMEL TOPCOAT**· Dangerous components:**

CAS: 64742-82-1	Low boiling point hydrogen treated naphtha	≥10-<30%
EINECS: 265-185-4	☠ Flam. Liq. 3, H226	
Index number: 649-330-00-2	☠ STOT RE 1, H372; Asp. Tox. 1, H304	
Reg.nr.: 01-2119458049-33-0002	☠ STOT SE 3, H336	
CAS: 13463-67-7	titanium dioxide	20-<25%
EINECS: 236-675-5	☠ Carc. 2, H351	
Index number: 022-006-00-2		
CAS: 1330-20-7	xylene	5-<10%
EINECS: 215-535-7	☠ Flam. Liq. 3, H226	
Index number: 601-022-00-9	☠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
RTECS: ZE 2100000		
Reg.nr.: 01-2119488216-32-001		
01-2119488216-32-002		
01-2119488216-32-003		
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	≥1-<2.5%
EINECS: 265-151-9	☠ Flam. Liq. 2, H225	
Index number: 649-328-00-1	☠ Asp. Tox. 1, H304	
Reg.nr.: 01-2119475514-35-0001	☠ Aquatic Chronic 2, H411	
	☠ Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 301-08-6	octaic lead	≥0.3-<0.9%
EINECS: 265-191-7	☠ Repr. 1A, H360; STOT RE 2, H373	
	☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	☠ Acute Tox. 4, H302; Acute Tox. 4, H332	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

· After inhalation:

To je vrlo preporučljivo izbjegavati udisanje pare, magle ili prašine. U svakom slučaju nehotičnog udisanja para premjestiti otvoriti svježiji zrak. U svakom slučaju nepravilnog disanja pružanje prve pomoći i umjetno disanje. U slučaju trajnih smetnji potražiti liječnika odjednom.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** If symptoms persist consult doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media**

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

· 5.6 Fire and explosion Hazards

- **Special protective equipment and fire fighting procedures:**

Mouth respiratory protective device.

Firefighters should wear full protective flameproof clothing and self contained breathing apparatus for the firefighter if necessary. In the event of any fire try cool down the tanks with water spray. If possible do not allow the water used by firefighters to enter the drains or come in any contact with the water supply lines for the public. Always seek as appropriate.

- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

• **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

• **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

• **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

• **7.2 Conditions for safe storage, including any incompatibilities**

• **Storage:**

• Requirements to be met by storerooms and receptacles: No special requirements.

• Information about storage in one common storage facility: Not required.

• Further information about storage conditions: Keep container tightly sealed.

• **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

• Regulatory information WEL: EH40/2020

• Ingredients with biological limit values:

1330-20-7 xylene

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

• Additional information: The lists valid during the making were used as basis.

• **8.2 Exposure controls**

• **Personal protective equipment:**

• General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

• Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Trade name: VEMALUX ENAMEL TOPCOAT

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

The breakthrough time of gloves is unknown for this product itself. The glove material that can be used is recommended on the bases of the different substances in the preparation.

- **For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)**

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Rubber gloves**

- **Eye protection:**



Tightly sealed goggles

- **Body protection: Protective work clothing**

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:

Fluid

Colour:

According to product specification

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **pH-value:**

Mixture is non-soluble (in water).

- **Change in condition**

Melting point/freezing point:

Undetermined.

Initial boiling point and boiling range:

137-143 °C (1330-20-7 xylene)

- **Flash point:**

23 - 60 °C

- **Flammability (solid, gas):**

Flammable.

- **Autoignition temperature:**

500 °C

- **Decomposition temperature:**

Not determined.

- **Ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Risk of explosion by shock, friction, fire or other sources of ignition.

- **Explosion limits:**

Lower:

1.1 Vol %

Upper:

7 Vol %

- **Vapour pressure at 20 °C:**

6.7 hPa

- **Density:**

Not determined.

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

- **Evaporation rate**

Not determined.

- **Solubility in / Miscibility with**

water:

Fully miscible.

- **Partition coefficient: n-octanol/water:** Not determined.

- **Viscosity:**

Dynamic:

Not determined.

Kinematic:

Not determined.

- **Solvent content:**

Organic solvents:

11.9 %

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<u>VOC (EC)</u>	256-389.8 g/l
<u>Solids content (volume):</u>	46.7-52.1 %
• 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 21,355 mg/kg
Inhalative LC50/4 h 117 mg/l

13463-67-7 titanium dioxide

Oral LD50 >20,000 mg/kg (rat)
Dermal LD50 >10,000 mg/kg (rabbit)
Inhalative LC50/4 h >6.82 mg/l (rat)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral LD50 >5,000 mg/kg (rat)
Dermal LD50 >3,000 mg/kg (rab)

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)
Dermal LD50 2,000 mg/kg (rabbit)
Inhalative LC50/4 h 11 mg/l (ATE)

301-08-6 octaic lead

Oral LD50 500 mg/kg (ATE)
Inhalative LC50/4 h 1.5 mg/l (ATE)

- Primary irritant effect:
- Skin corrosion/irritation
Causes skin irritation.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity
May damage fertility or the unborn child.
- STOT-single exposure
May cause drowsiness or dizziness.
- STOT-repeated exposure
Causes damage to the central nervous system through prolonged or repeated exposure.
- Aspiration hazard Based on available data, the classification criteria are not met.

Trade name: VEMALUX ENAMEL TOPCOAT**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea

12.2 Persistence and degradability

This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:**

Remark: Harmful to fish

Additional ecological information:**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).

vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

12.6 Other adverse effects No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**14.1 UN-Number**

ADR, IMDG, IATA

UN1263

14.2 UN proper shipping name

ADR

UN1263 PAINT

IMDG, IATA

PAINT

14.3 Transport hazard class(es)

ADR



Class

3 (F1) Flammable liquids.

Label

3

IMDG, IATA



Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Warning: Flammable liquids.

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· <u>Hazard identification number (Kemler code):</u>	30
· <u>EMS Number:</u>	F-E, <u>S-E</u>
· <u>Stowage Category</u>	A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· <u>ADR</u>	
· <u>Limited quantities (LQ)</u>	5L
· <u>Excepted quantities (EQ)</u>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <u>Transport category</u>	3
· <u>Tunnel restriction code</u>	D/E
· <u>IMDG</u>	
· <u>Limited quantities (LQ)</u>	5L
· <u>Excepted quantities (EQ)</u>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

- 3Y
- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

None of the ingredients is listed.

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- Hazard pictograms



- Signal word Danger
- Hazard-determining components of labelling:
Low boiling point hydrogen treated naphtha
octaic lead
Naphtha (petroleum), hydrotreated light
- Hazard statements
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H360 May damage fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- **National regulations:**
- Additional classification according to Decree on Hazardous Materials, Annex II:
Carcinogenic hazardous material group III (dangerous).

Trade name: VEMALUX ENAMEL TOPCOAT

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H225 Highly flammable liquid and vapour.
 - H226 Flammable liquid and vapour.
 - H302 Harmful if swallowed.
 - H304 May be fatal if swallowed and enters airways.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H332 Harmful if inhaled.
 - H336 May cause drowsiness or dizziness.
 - H351 Suspected of causing cancer.
 - H360 May damage fertility or the unborn child.
 - H372 Causes damage to organs through prolonged or repeated exposure.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - 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.

- **Department issuing SDS:** Department of Quality Control

- **Contact:**



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Trade name: VEMALUX ENAMEL TOPCOAT**Annex: Exposure scenario**

- **Short title of the exposure scenario**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC9a Coatings and paints, thinners, paint removers
- **Process category**
PROC7 Industrial spraying
PROC10 Roller application or brushing
- **Article category** AC30 Other articles with intended release of substances
- **Environmental release category** ERC2 Formulation into mixture
- **Technical function** Other
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use** According to directions for use.
- **Duration and frequency** Frequency of use:
- **Physical parameters**
The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** Use only on hard ground.
- **Other operational conditions affecting worker exposure**
Avoid contact with the skin.
Do not breathe gas/vapour/aerosol.
Take precautionary measures against static discharge.
Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure** No special measures required.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures**
Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.
- **Technical protective measures**
Use product only in enclosed systems.
Ensure that suitable extractors are available on processing machines
Provide explosion-proof electrical equipment.
- **Personal protective measures**
Do not inhale gases / fumes / aerosols.
Avoid contact with the skin.
Pregnant women should strictly avoid inhalation or skin contact.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Measures for consumer protection**
Ensure adequate labelling.
Observe consumer information and advice on safe use.
- **Environmental protection measures**
- **Water**
Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.
Do not allow to reach sewage system.
- **Soil**
Prevent contamination of soil.
The product is only processed over the concrete collecting basin.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** This product is to be used by professional technicians only.
- **Guidance for downstream users**
Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.