

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

### 1.1 Product identifier

#### Trade name: **TEAK DEFENDER SEALER**

- Article number: V1078
- UFI: JQD0-50E5-700V-RX07

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

- Life cycle stages PW Widespread use by professional workers
- Sector of Use SU0 Other
- Product category PC1 Adhesives, sealants
- Process category PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- Environmental release category ERC10a Widespread use of articles with low release (outdoor)
- Article category AC11 Wood articles
- 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  
T: +30 210 55 90 411-2 F: +30 210 55 90 713  
email: sales@vemarcoatings.com website: www.vemarcoatings.com

### 1.4 Emergency telephone number:

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  
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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008



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Eye Irrit. 2 H319 Causes serious eye irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

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- [Hazard pictograms](#)



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- [Signal word](#) Warning
- [Hazard statements](#)  
H319 Causes serious eye irritation.
- [Precautionary statements](#)  
P264 Wash thoroughly after handling.  
P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### · 2.3 Other hazards

#### · [Results of PBT and vPvB assessment](#)

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

- [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.

#### · [Dangerous components](#):

CAS: 34590-94-8 EINECS: 252-104-2 RTECS: JM 1575000	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	1-<5%
CAS: 2226-96-2 EINECS: 218-760-9	4-Hydroxy-2, 2, 6, 6-tetramethyl piperidinyloxy STOT RE 2, H373 Eye Dam. 1, H318 Acute Tox. 4, H302	≥1-<3%
CAS: 55965-84-9 Index number: 613-167-00-5	5-chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330 Skin Corr. 1C, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100) Skin Sens. 1A, H317 Note: B Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%

- [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

- [After inhalation](#): Supply fresh air; consult doctor in case of complaints.
- [After skin contact](#): Generally the product does not irritate the skin.
- [After eye contact](#):  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses in case of eye contamination and irrigate copiously with clean water for at least 15 minutes trying to hold the eye lids open.
- [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](#): Use fire extinguishing methods suitable to surrounding conditions.

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

No further relevant information available.

### · 5.3 Advice for firefighters

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

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### 5.6 Fire and explosion Hazards

#### Special protective equipment and fire fighting procedures:

- 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 Not required

### 6.2 Environmental precautions:

- 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).

### 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 No special precautions are necessary if used correctly.

### Information about fire - and explosion protection: No special measures required.

### 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:

##### 34590-94-8 Dipropylene glycol monomethyl ether

WEL Long-term value: 308 mg/m<sup>3</sup>, 50 ppm  
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WEL Long-term value: 308 mg/m<sup>3</sup>, 50 ppm  
Sk

#### Regulatory information WEL: EH40/2020

#### DNELs

##### 55965-84-9 5-chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone

Dermal DNELs 50 mg/kg bw/day (ATE)

Inhalative DNELs 0.05 mg/m<sup>3</sup> (ATE)

- 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.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

##### Respiratory protection: Not required

##### Protection of hands:



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

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- **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 trough 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 basis 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:** Liquid
  - **Colour:** Colourless
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH-value at 20 °C:** 8
- **Change in condition**
  - **Melting point/freezing point:** Undetermined
  - **Initial boiling point and boiling range:** 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- **Flash point:** Not applicable
- **Flammability** Not applicable
- **Autoignition temperature:** >200 °C
- **Decomposition temperature:** Not determined
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.  
Risk of explosion by shock, friction, fire or other sources of ignition.
- **Explosion limits:**
  - **Lower:** Not determined
  - **Upper:** Not determined
- **Vapour pressure at 20 °C:** 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
- **Density at 20 °C:** 0.99 g/cm<sup>3</sup>
- **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:** 5.3 %
  - **Water:** 92.2 %
  - **VOC (EC)** 600.3 g/l
  - **Solids content (volume):** 2.5 %

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- **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)**  
Oral LD50 25,000 mg/kg  
**34590-94-8 Dipropylene glycol monomethyl ether**  
Oral LD50 5,135 mg/kg (rat)  
Dermal LD50 >19,000 mg/kg (rab)  
**2226-96-2 4-Hydroxy-2, 2, 6, 6-tetramethyl piperidinyloxy**  
Oral LD50 mg/kg (rat)  
Dermal LD50 mg/kg (rat)  
**55965-84-9 5-chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone**  
Oral LD50 100 mg/kg (ATE)
- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation  
Causes serious eye irritation.
- 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 Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

### 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.
- **Additional ecological information:**
- General notes:  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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:** Not applicable
- **12.6 Other adverse effects** No further relevant information available.

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### 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** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable
- **14.6 Special precautions for user** Not applicable
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable
- **UN "Model Regulation":** Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
None of the ingredients is listed.
- **Poisons Act**
- **Regulated explosives precursors**  
None of the ingredients is listed.
- **Regulated poisons**  
None of the ingredients is listed.
- **Reportable explosives precursors**  
None of the ingredients is listed.
- **Reportable poisons**  
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**



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- **Signal word** Warning
- **Hazard statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P264 Wash thoroughly after handling.  
P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
None of the ingredients is listed.

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- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))  
None of the ingredients is listed.
- Annex II - REPORTABLE EXPLOSIVES PRECURSORS  
None of the ingredients is listed.
- Regulation (EC) No 273/2004 on drug precursors  
None of the ingredients is listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors  
None of the ingredients is listed.
- **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  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
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.
- Classification according to Regulation (EC) No 1272/2008  
Serious eye damage/irritation The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
- **Contact:**  
 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  
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- **\* Data compared to the previous version altered.**

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### Annex: Exposure scenario

- **Short title of the exposure scenario**
- **Sector of Use** SU0 Other
- **Product category** PC1 Adhesives, sealants
- **Process category** PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- **Article category** AC11 Wood articles
- **Environmental release category** ERC10a Widespread use of articles with low release (outdoor)
- **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** No special measures required.
- **Other operational conditions affecting worker exposure**  
Outdoor application.  
Avoid contact with eyes.  
Avoid contact with the skin.  
Avoid long-term or repeated skin contact.
- **Other operational conditions affecting consumer exposure**  
No special measures required.  
Not 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 Ensure that suitable extractors are available on processing machines
- Personal protective measures  
No special measures required.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the skin.  
Avoid contact with the eyes.  
Tightly sealed goggles  
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**
- **Air** No special measures required.
- **Water**  
Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.
- **Soil** The product is only processed over the concrete collecting basin.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures**  
Dispose of product residues with household waste.  
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**  
Not relevant for this Exposure Scenario.  
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.