



**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifiers**

Product name : **Criste Marine Hydrolat with Geogard 221 (preservative)**

Brand : Vessel Essential Oils

CAS-No. : #/100-51-6/520-45-6

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

1.4 Company : Vessel Essential Oils

1.5 Farmakeika Neo Risio

1.6 Telephone : +30 2310 463719

1.7 Fax :

1.8 E-mail address : [info@vessel.gr](mailto:info@vessel.gr)

**1.9 Emergency telephone number**

Emergency Phone # : +30 2310 463719

**2. HAZARDS IDENTIFICATION**

2.1 **Main Hazards:** Not regulated

2.2 **Danger information for human and environment:** Not regulated

2.3 **Hazards not otherwise classified (HNOC) or not covered by GHS - none**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

CAS-No. :

Hazardous components

| Component   | Classification                                 | Concentration |
|---|--|---------------|
| <b>Hydrolat, NCS, Natural Complex Substance (100% pure and natural)</b> |  |               |
| Water, essential oil  | Not regulated                                  | <= 100 %      |
| Geogard 221- Benzyl Alcohol,<br>3-Acetyl-6-methyl-2H-pyran2,4(3H)-dione | Acute Tox. 4; H302&H332,<br>Acute Tox. 4; H302 | = 1%          |

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**If inhaled**

No harmful

**In case of skin contact**

No harmful

**In case of eye contact**

No harmful

**If swallowed**

No dangerous at normal concentration use



vessel  
essential oils

## MSDS Criste Marine Hydrolat

In general, in case of doubt or if symptoms persist, ask for medical advice. Never give anything by ingestion  
To an unconscious person

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### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### **Suitable extinguishing media**

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

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

No data available

#### 5.3 Advice for firefighters

None

#### 5.4 Further information

None

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### 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

No special measures. Keep under cover from warmth and light, in a dry, well closed container and avoid temperature variation.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

| Component  | CAS-No.                                     | Value | Control parameters   | Basis                                       |
|--|---|-------|--|---|
| Hydrolat Criste Marine   | #   | TWA   | N.A  | USA. NIOSH Recommended Exposure Limits      |
| Geogard 221- Benzyl Alcohol, 3-Acetyl-6-methyl-2H-pyran2,4(3H)-dione | Acute Tox. 4; H302&H332, Acute Tox. 4; H302 | = 1%  | Geogard 221- Benzyl Alcohol, 3-Acetyl-6-methyl-2H-pyran2,4(3H)-dione | Acute Tox. 4; H302&H332, Acute Tox. 4; H302 |

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved Under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| a) Appearance                                   | Form: clear, liquid                      |
| b) Odour  | No data available                        |
| c) Odour Threshold                              | No data available                        |
| d) pH   | No data available                        |
| e) Melting point/freezing point                 | No data available                        |
| f) Initial boiling point and boiling range      | No data available                        |
| g) Flash point                                  | >175 °C (>347 °F) - closed cup           |
| h) Evaporation rate                             | No data available                        |
| i) Upper/lower flammability or explosive limits | No data available                        |
| j) Vapour pressure                              | No data available                        |
| k) Vapour density                               | No data available                        |
| l) Relative density                             | 1.000 g/cm <sup>3</sup> at 25 °C (77 °F) |
| m) Water solubility                             | Soluble                                  |
| n) Partition coefficient: n- octanol/water      | No data available                        |
| o) Auto-ignition temperature                    | No data available                        |
| p) Decomposition temperature                    | No data available                        |
| q) Viscosity                                    | No data available                        |

### 9.2 Other safety information

No data available

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity



**vessel**  
essential oils

## MSDS Criste Marine Hydrolat

Non toxic

### **Skin corrosion/irritation**

Non toxic

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

Not identified as a mutagen

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

Non toxic

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

### **Additional Information**

RTECS: OF6110000

Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## **12. ECOLOGICAL INFORMATION**

### **12.1 Eco-toxicity**

No data available

### **12.2 Persistence and degradability**

Low persistence level and high biodegradability

### **12.3 Bioaccumulative potential**

The product does not result in any bio-accumulative phenomenon

### **12.4 Mobility in soil**

No data available

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



PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Contaminated packaging**  
Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

**UN Number:** N/A

**UN Proper shipping name:** N/A

**Transportation hazard classes**

**Road (U.S. DOT):** Not dangerous goods

**Air (IATA):** Not dangerous goods

**Sea (IMDG):** Not dangerous goods

**Packing group:** N/A

**Proper shipping name:** Not regulated

**Poison Inhalation Hazard:** No

**Class:** NONE

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**15. REGULATORY INFORMATION**

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 311/312.

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

|  | CAS-No.  | Revision Date |
|--|----------|---------------|
| Hydrolats, criste marine                     | #        | 2019-08-11    |
| Benzyl Alcohol,                              | 100-51-6 |               |
| 3-Acetyl-6-methyl-2H- pyran2,4(3H)-<br>dione | 520-45-6 |               |

**New Jersey Right To Know Components**



## MSDS Criste Marine Hydrolat

|                                     |          |               |
|-------------------------------------|----------|---------------|
| Hydrolats, criste marine            | CAS-No.  | Revision Date |
| Benzyl Alcohol,                     | #        | 2019-08-11    |
| 3-Acetyl-6-methyl-2H- pyran2,4(3H)- | 100-51-6 |               |
| dione                               | 520-45-6 |               |

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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## 16. OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

### HMIS Rating

|                        |   |
|------------------------|---|
| Health hazard:         | 1 |
| Chronic Health Hazard: |   |
| Flammability:          | 1 |
| Physical Hazard        | 0 |

### NFPA Rating

|                |   |
|----------------|---|
| Health hazard: | 0 |
| Fire Hazard:   | 0 |

### Further information

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