



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : **Helichrysum Hydrolat with Geogard 221 (preservative)**

Brand : Vessel Essential Oils

CAS-No. : 90045-56-0/100-51-6/520-45-6

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

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. : 90045-56-0

Hazardous components

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

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



To an unconscious person

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

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.

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 Helichrysum	90045-56-0	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 ³ 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

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

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



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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.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

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

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Contaminated packaging

Dispose of as unused product.

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



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, helichrysum	90045-56-0	2019-08-11
Benzyl Alcohol,	100-51-6	
3-Acetyl-6-methyl-2H- dione	pyran2,4(3H)- 520-45-6	

New Jersey Right To Know Components

	CAS-No.	Revision Date
Hydrolats, helichrysum	90045-56-0	2019-08-11
Benzyl Alcohol,	100-51-6	
3-Acetyl-6-methyl-2H- dione	pyran2,4(3H)- 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.

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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guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Vessel Essential Oils and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

05/09/2019