

## Safety Data Sheet

# ABSYNTH THE MOLECULAR DISTILLED ESSENTIAL OIL



According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

Version:1  
Version date:22/09/2021  
Language:EN

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

### 1.1. Product identifier

Trade name/designation : ABSYNTH THE MOLECULAR DISTILLED ESSENTIAL OIL

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

Not available

### 1.3. Details of the supplier of the safety data sheet

Supplier : Name: Hermitage Oils srl  
Street: Località Petrognano 14, 52100 Arezzo (AR)  
Country: Italy  
Telephone: +39 (0) 575 362831  
E-mail: info@hermitageoils.com

### 1.4. Emergency Telephone Number

Bergamo: +39 (0) 800 883 300, Florence: +39 (0) 55 794 7819, Foggia: +39 (0) 881 732 326, Genoa: +39 (0) 10 563 62 45, Milan: + 39 (0) 02 6610 1029, Padua: +39 (0) 49 827 50 78, Pavia: +39 (0) 38 224 444, Rome: +39 (0) 06 305 43 43, Turin: +39 (0) 011 663 7637

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Hazard statements (H)	
Acute Tox. 4	H302	Harmful if swallowed
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Danger

Product identifiers

-

Hazard Statements

H302 - Harmful if swallowed

Supplemental Hazard information (EU)	H304 - May be fatal if swallowed and enters airways.
Precautionary Statements - General	H317 - May cause an allergic skin reaction.
Precautionary Statements - Prevention	H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statements - Response	-
	-
	-
	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
	P330 - Rinse mouth.
	P331 - Do NOT induce vomiting.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
Precautionary Statements - Storage	P405 - Store locked up.
Precautionary Statements - Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Contains: pin-2(3)-ene, caryophyllene, 7-methyl-3-methyleneocta-1,6-diene, p-cymene

## 2.3. Other hazards

Results of PBT and vPvB assessment.

. PBT: Not applicable.

. vPvB: Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixture

Substance	C (%)	Classification	Specific concentration limits	Note
1-isopropyl-4-methylbicyclo[3.1.0]hexan-3-one CAS N°:546-80-5 EC N°:208-912-2 IDX N°:	25.0% <C< 50.0%	H302: Harmful if swallowed	-	-
linalool CAS N°:78-70-6 EC N°:201-134-4 IDX N°:603-235-00-2	1.0% <C< 10.0%	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation	-	-
pin-2(3)-ene CAS N°:80-56-8 EC N°:201-291-9 IDX N°:	1.0% <C< 10.0%	H226: Flammable liquid and vapour. H302: Harmful if swallowed H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	-	-
caryophyllene CAS N°:87-44-5 EC N°:201-746-1 IDX N°:	1.0% <C< 10.0%	H304: May be fatal if swallowed and enters airways. H317: May cause an allergic skin reaction. H413: May cause long lasting harmful effects to aquatic life.	-	-
7-methyl-3-methyleneocta-1,6-diene CAS N°:123-35-3 EC N°:204-622-5	1.0% <C< 10.0%	H226: Flammable liquid and vapour.	-	-

IDX N°:		H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.		
p-mentha-1,4-diene CAS N°:99-85-4 EC N°:202-794-6 IDX N°:	C≤ 1.0%	H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H361: Suspected of damaging fertility or the unborn child.	-	-
p-cymene CAS N°:99-87-6 EC N°:202-796-7 IDX N°:	C≤ 1.0%	H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H361: Suspected of damaging fertility or the unborn child. H411: Toxic to aquatic life with long lasting effects.	-	-

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

### 3.3. Remark

Text phrases and H- EUH- : see section 16.

Natural Product

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information	:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended. Keep affected person warm, still and covered.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing. No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator. If breathing is irregular or stopped, administer artificial respiration.
Following skin contact	:	Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.
Following ingestion	:	Never give anything by mouth to an unconscious person or a person with cramps. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If swallowed: Call a POISON CENTER or physician if you feel unwell.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!.

### 4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	:	Treat symptomatically.
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## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

- Suitable extinguishing media : CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Unsuitable extinguishing media : Water with full jet.

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

- Carbon monoxide (CO).

### 5.3. Advice for firefighters

- No special measures required.

### 5.4. Additional information

Not available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

- Use personal protection equipment.
- Remove persons to safety.
- Use appropriate respiratory protection.
- Provide adequate ventilation.

### 6.2. Environmental precautions

- Ensure that waste is collected and contained.
- In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- Avoid release to the environment.
- Cover drains.
- Ensure all waste water is collected and treated via a waste water treatment plant.
- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.
- Retain contaminated washing water and dispose it.
- Contain leaks or spills within cabinets with removable trays.

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

- Treat the recovered material as prescribed in the section on waste disposal.
- Collect in closed and suitable containers for disposal.
- Clean contaminated objects and areas thoroughly observing environmental regulations.
- Collect spillage.
- Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wipe up with absorbent material (eg. cloth, fleece).

### 6.4. Reference to other sections

- Safe handling: see section 7.
- Disposal: see section 13.
- Personal protection equipment: see section 8.

### 6.5. Additional information

Not available

## SECTION 7: HANDLING AND STORAGE

## 7.1. Precautions for safe handling

### PROTECTIVE MEASURES

- Avoid contact with skin, eyes and clothes.
- Do not eat, drink or smoke when using this product.
- If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Wear personal protective clothing (see section 8).
- Sewers and ducts must be protected against the entry of the product.
- Provide for retaining containers, eg. floor pan without outflow.
- Use only in well-ventilated areas.
- Vapours/aerosols should be exhausted directly at the point of origin.
- Avoid breathing gas/fumes/vapour/spray.

### Advices on general occupational hygiene

- Wash hands before breaks and after work.
- Remove contaminated, saturated clothing.
- Work in well ventilated zones or use proper respiratory protection.
- Street clothing should be stored separately from work clothing.
- Wash contaminated clothing before reuse.

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

- Keep container tightly closed in a dry, cool, and well-ventilated place.
- Keep container in upright position in order to prevent leakage.

### Requirements for storage rooms and vessels

- Store locked up.
- Use isolated drainage to prevent discharge to soil.
- Ensure adequate ventilation of the storage area.

### Advice on joint storage

- Keep away from food, drink and animal feedingstuffs.

## 7.3. Specific end uses

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

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Not available

## 8.2. Exposure controls

### Appropriate engineering controls

Not available

### Personal protection equipment



Eye/face protection

: Suitable eye protection: Goggles recommended during refilling

Skin protection	:	<p><b>Hand protection:</b></p> <ul style="list-style-type: none"> <li>- The glove material has to be impermeable and resistant to the product/the substance/the preparation.</li> <li>- Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.</li> <li>- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</li> <li>- 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.</li> <li>- 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.</li> <li>- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</li> </ul>
Respiratory protection	:	Respiratory protection necessary at: Not required.

### 8.3. Additional information

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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Brown
Odour:	Characteristic
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>65°C
Evaporation rate:	Not Determined
Flammability:	Not Applicable
Upper/lower flammability or explosive limits:	Not Determined
Vapour pressure:	Not Determined
Vapour density:	Not available
Relative density:	0.924 G/cm <sup>3</sup>
Solubility(ies):	Not Miscible Or Difficult To Mix.
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Product Is Not Selfigniting.
Decomposition temperature:	Not Determined
Viscosity:	Not available
Explosive properties:	Product Does Not Present An Explosion Hazard.
Oxidising properties:	Not available

### 9.2. Other safety information

Form: liquid.

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.

## 10.7. Additional information

Not available

# SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1. Acute oral toxicity

### Data for mixture

Harmful if swallowed.

### Substances

#### 1-isopropyl-4-methylbicyclo[3.1.0]hexan-3-one (CAS: 546-80-5)

Species : Rat  
 Sex : Not available  
 Guideline : Not available

Subendpoint	Operator	Value	Unit
LD50:	=	500	mg/kg bw

Conclusion : Not available

#### pin-2(3)-ene (CAS: 80-56-8)

Species : Not available  
 Sex : Not available  
 Guideline : Not available

Subendpoint	Operator	Value	Unit
LD50:	=	500	mg/kg bw (ATE)

Conclusion : Not available

Species : Rat  
 Sex : Not available  
 Guideline : Not available

Subendpoint	Operator	Value	Unit
Acute Toxicity Estimate (ATE)	=	500	mg/kg bw

Conclusion : Not available

**11.2. Acute skin toxicity**

Data for mixture

Not available

Substances

Not available

**11.3. Acute inhalation toxicity**

Data for mixture

Not available

Substances

Not available

**11.4. Skin corrosion**

Data for mixture

Not available

Substances

Not available

**11.5. Eye damage**

Data for mixture

Not available

Substances

Not available

**11.6. Skin sensitisation**

Data for mixture

May cause an allergic skin reaction.

Substances

Not available

**11.7. STOT SE**

Data for mixture

Not available

Substances

Not available

**11.8. STOT RE**

Data for mixture

Not available

Substances

Not available

**11.9. Carcinogenicity**

Data for mixture

Not available

Substances

Not available

**11.10. Reproductive and Developmental Toxicity**

Data for mixture

Not available

Substances

Not available

**11.11. In vitro genotoxicity**

Data for mixture

Not available

Substances

Not available

**11.12. Respiratory sensitisation**

Data for mixture

Not available

Substances



Not available

#### 11.13. Additional information

Aspiration hazard.

May be fatal if swallowed and enters airways.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No further relevant information available.

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4. Mobility in soil

Ecotoxicological effects:

Remark: Toxic for fish.

### 12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6. Other adverse effects

Not available

### 12.7. Additional ecotoxicological information

General notes:

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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

- The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.





#### Waste treatment options

- Waste requiring special supervision.
- Dispose of waste according to applicable legislation.
- Delivery to an approved waste disposal company.
- Non-contaminated packages must be recycled or disposed of.
- Contaminated packing must be completely emptied and can be reused after proper cleaning.
- Packing which cannot be properly cleaned must be disposed of.
- Handle contaminated packages in the same way as the substance itself.
- Dispose of waste according to applicable legislation.

**Remark**

- For recycling, contact manufacturer.
- Collect the waste separately.
- Consult the appropriate authorities about waste disposal.
- Do not mix with other wastes.
- The waste is to be kept separate from other types of waste until its disposal.
- Concerning the waste it has to be checked, whether a transport authorisation is required.

**SECTION 14: TRANSPORT INFORMATION**

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14.1. UN number	3082	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS
14.3. Transport hazard class(es)				
Class or Division	9	9	9	9
Hazard label(s)				
14.4. Packing group	III	III	III	III

**14.5. Environmental hazards**

Product contains environmentally hazardous substances: l-limonene.

Special marking (ADR): Symbol (fish and tree).

Special marking (IATA): Symbol (fish and tree).

**14.6. Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code) 90.

EMS Number: F-A,S-F.

Stowage Category: A.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Marpol and the IBC Code: Not applicable.

**14.8. Additional information****Land transport (ADR/RID)**

ADR

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 mL

Maximum net quantity per outer packaging: 1000 ml

Transport category: 3

**Sea transport (IMDG)**

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 mL

Maximum net quantity per outer packaging: 1000 ml

**Air transport (ICAO-TI/IATA-DGR)**

UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (THUJONE), 9, III

## SECTION 15: REGULATORY INFORMATION

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

#### EU legislation

**Regulation:** Directive n°648/2004 (Allergenic fragrance ingredients N°1223/2009)

Substance	CAS	EC
linalool	78-70-6	201-134-4

#### National regulations

**Regulation:** California proposition 65

Substance	CAS	EC
7-methyl-3-methyleneocta-1,6-diene	123-35-3	204-622-5

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

For this substance/mixture a chemical safety assessment has been elaborated.

For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

### 15.3. Additional information

Not available

## SECTION 16: OTHER INFORMATION

Creation date: 22/09/2021  
Version date: 22/09/2021  
Printing date: 08/10/2021

### 16.1. Indication of changes

Not applicable (first edition of the MSDS).

### 16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

### 16.3. Key literature references and sources for data

No data available.

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H226	Flam. Liq. 3	Flammable liquid and vapour.
H302	Acute Tox. 4 ORAL	Harmful if swallowed
H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.

H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H361	Repr. 2	Suspected of damaging fertility or the unborn child.
H400	Aquatic Acute 1	Very toxic to aquatic life.
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.
H413	Aquatic Chronic 4	May cause long lasting harmful effects to aquatic life.

## 16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

## 16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.