


<b>1. Identification of the substances / mixture and of the company/undertaking.</b>		
<b>1.1 Product identifier:</b> HELICHRYSUM OIL EAST EUROPEAN		
<b>Substance name:</b> HELICHRYSUM ANGUSTIFOLIUM FLOWER OIL		
<b>Biological Definition</b>		
<b>INCI Name</b>		
<b>Synonyms &amp; Trade Names</b>		
<b>EC NO:</b> 289-918-2	<b>CAS NO:</b> 8023-95-8	<b>EINECS CAS Number:</b> 90045-56-0
<b>Index No:</b>	<b>Reach Registration No:</b>	
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>		
<b>Identified uses:</b>		
<b>Uses advised against:</b>		
<b>1.3 Details of the supplier of the safety data sheet</b>		
<b>Company</b>	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
<b>Email</b>	info@penny-price.com	
<b>1.4 Emergency Telephone Number</b>	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. <u>Or call NHS 111 or NHS 999</u>	

<b>2. Hazards Identification</b>			
<b>2.1 Classification of the substance or mixture</b>			
<b>Classified according to Regulation (EC) 1272/2008 (CLP) as amended</b>	Physical and Chemical Hazards	Flammable Liquid, Category 3 – H226	
	Human Health	Skin Sens. 1 – H317	Asp. Hazard. 1 – H304
	Environment	Aquatic, Acute – 2 – H410	Aquatic, Chronic -2 – H411
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b>			
			
<b>Signal Word. DANGER</b>			
<b>Product Identifiers</b>	<b>601-029-007A</b>	<b>PERCENT HYDROCARBONS PINENES (ALPHA OR BETA) (R)- P-MENTHA – 1, 8-DIENE</b>	
<b>Hazard statements.</b>			

H226	Flammable liquid and vapour	H304	May be fatal if swallowed and enters the airways.
H315	Causes skin irritation	H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.	H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements.**

P210	Keep away from heat /sparks/open flames/ hot surfaces. – No smoking
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
P331	Do NOT induce vomiting.
P391	Collect Spillage.

**Supplementary Precautionary Statements:**


**2.3 Other hazards – Results of PBT and vPvB According to Annex XIII**

No data available.

**Adverse Physio-chemical Properties**

**Adverse Effects on Human Health**

**3. 1 Composition / information on ingredients:**

<b>3.1</b>	<b>Substances</b>	<b>No substance fulfils the criteria set forth in Annex II Section A of the REACH regulation (EC) No. 1907/2006</b>
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**3.2 Mixtures**

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Pinneses (Alpha or Beta)		10-25%	Flammable – H226 Harmful -H304 Health - H317 Aquatic Acute - H410
(R)-P-Mentha-1, 8 – Diene	CAS: 5989-27-5 EC: 227-813-5	0 – 2.5 %	Flammable – H226 Harmful -H304 Aquatic Acute - H410
Linalool	CAS: 78-70-6 EC: 201-134-4	0 – 2.5 %	Flammable – H226 Harmful -H315

**4. First Aid Measures**

<b>4.1 General</b>	Immediately remove any clothing soiled by the product.
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Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention.
Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention.
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils.

**4.2 Most important symptoms and effects, both acute and delayed:**

No data available.

**4.3 Indication of any immediate medical attention and special treatment need**

No data available.

**5. Firefighting Measures:** Flammable. Chemical powders, Carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1 Extinguishing Media:** In the event of fire, use specifically suitable extinguishing agents. Never use water. Keep packages near the fire cool, to prevent pressurised containers from bursting.

**Suitable extinguishing media:** Prevent the effluent of fire-fighting measures from entering drains or waterways.

**Unsuitable extinguishing media:** In the event of a fire, do not use: Water.

**5.2 Special hazards arising from the substances or mixture:** A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

**Hazardous combustion products:**

**5.3 Advice for firefighters** Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

**6 Accidental release measures**

**6.1 Personal precautions, protective equipment, and emergency procedures** Consult the safety measures listed under headings 7 and 8.

**6.1.1 For non-emergency personnel** Avoid any contact with the skin and eyes.

**For firefighters** Fire-fighters will be equipped with suitable personal protective equipment. (See Section 8).

**Protective equipment:**

**Emergency procedures:**

**6.1.2 For Emergency responders**

<b>6.2 Environmental precautions</b>	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Use drums to dispose of collected waste in compliance with current regulations. (See Section 13).
<b>6.3 Methods for cleaning up –</b> <b>6.3.1 For containment:</b>	
<b>6.3.2 For cleaning up:</b>	Clean preferably with a detergent, do not use solvents.
<b>6.3.3. Other information:</b>	
<b>6.4 Reference to other sections</b>	No data available.

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

#### **Protective measures:**

Prevent formation of aerosols.

Handle in a well-ventilated area, away from sources of ignition. **DO NOT SMOKE.**

Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation.

Observe good personal hygiene, and do not eat, drink, or smoke whilst handling.

Requirements relating to storage premises apply to all facilities where the substance is handled. Individuals with a history of skin sensitisation should not, under any circumstances, handle this substance.

#### **Measures to prevent fire:**

Handle in well-ventilated areas. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.

Never inhale this substance. Prevent the accumulation of electrostatic charges with connections to earth. The mixture can become electrostatically charged; always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks, and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel.

#### **Measures to prevent aerosol and dust generation:**

#### **Measures to protect the environment:**

#### **Advice on general occupational hygiene:**

Always wash hands after handling. Remove and wash contaminated clothing before re-using. Remove contaminated clothing and protective equipment before entering eating areas.

### **7.2 Conditions for safe storage, including any incompatibilities:** No data available.

#### **Technical measures and storage conditions:**

<b>Packaging Materials:</b>	Always keep in packaging made of an identical material to the original.
<b>Requirements for storage and vessels:</b>	Keep the container tightly closed in a dry place. Keep the container tightly closed in a dry, well-ventilated place. Keep away from food and drink, including those for animals. Keep away from all sources of ignition – do not smoke. Keep well away from all sources of ignition, heat, and direct sunlight. Avoid accumulation of electrostatic charges.
<b>Storage Class: Further information on storage containers:</b>	
<b>7.3 Specific end use(s).</b>	No data available.
<b>Recommendations:</b>	
<b>Industrial sector specific solutions:</b>	

<b>8. Exposure controls/Personal protection:</b>	
<b>8.1 Control parameters</b>	No data available.
<b>8.2 Exposure controls</b>	
<b>Engineering Measures</b>	Ensure good ventilation of working area.
<b>8.2.2 Personal Protection equipment:</b>	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink, or smoke during use. Remove and wash contaminated clothing before reusing. Ensure that there is adequate ventilation, especially in confined areas.
8.2.2.1 Eye / face protection	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.
8.2.2.2 Skin Protection	
Hand protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: Other chemical products that may be handles, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties: Impervious gloves in accordance with standard EN374.
Other skin protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

8.2.2.3 Respiratory protection	
Ventilation	
8.2.2.4 Thermal hazards	
<b>8.2.3 Environmental exposure controls</b>	

## **9. Physical and chemical properties- C of A**

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

Colour	
Appearance	Fluid Liquid
Odour	
Melting Point / freezing point	Not relevant.
Boiling point /Initial boiling point & boiling range	Not relevant.
Flammability	
Lower and upper explosion limit	
Flash point °C	
Self - ignition temperature	Not relevant.
Decomposition Point /Decomposition Range	Not relevant.
pH	Not relevant.
Kinematic Viscosity	V < 7 mm <sup>2</sup> /s (40°C)
Solubility in Water	Insoluble.
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure (50°C)	Not relevant.
Density and /or relative density	< 1
Relative vapour density	
Particle characteristics	
Explosive Properties	
Oxidising Properties	
<b>9.2 Other information</b>	No data available.
Specific gravity d <sub>20</sub> <sup>20</sup>	
Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major components	

## **10. Stability and reactivity**

<b>10.1 Reactivity</b>	No data available.
<b>10.2 Chemical Stability</b>	This mixture is stable under the recommended handling and storage conditions in Section 7.
<b>10.3 Possibility of hazardous reactions:</b>	No data available.

<b>10.4 Conditions to avoid:</b>	Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces, etc.) must not be allowed on the premises. Avoid accumulation of electrostatic charges, heating, heat, flames and hot surfaces, humidity. Protect from moisture. Reaction with water can cause an exothermic reaction.
<b>10.5 Incompatible Materials:</b>	Keep away from water.
<b>10.6 Hazardous Decomposition Products</b>	The thermal decomposition may release/form: Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ).

## **11. Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008**



<b>Information on Toxicological Effects</b>	Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in nonallergic contact dermatitis and absorption through the skin. May cause an allergic reaction by skin contact. Aspiration toxicity includes severe effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
<b>Acute toxicity:</b>	Mixture: No toxicological data available for the mixture.
<b>Skin corrosion /irritation:</b>	
<b>Seriously eye damage/irritation:</b>	
<b>Respiratory or skin sensitisation:</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity:</b>	
<b>Carcinogenicity:</b>	
<b>Reproductive toxicity:</b>	
<b>Summary of evaluation of the CMR properties:</b>	
<b>STOT- single exposure,</b>	
<b>STOT-repeated exposure:</b>	
<b>Aspiration hazard:</b>	May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
Monograph(s) from the IARC (International Agency for Research on Cancer)	CAS 5989-27-5: CIRC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

## **12. Ecological information**

<b>12.1 Toxicity</b>	Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.
<b>Substances</b>	No aquatic toxicity data available for the substances.
<b>Mixtures</b>	No aquatic toxicity data available for the mixture.
<b>12.2 Persistency &amp; degradability</b>	No data available.
<b>12.3 Bio accumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.

<b>12.5 Results of PBT and vPvB Assessment</b>	No data available.
<b>12.6 Endocrine disrupting properties</b>	
<b>12.7 Other adverse effects</b>	No data available.

<b>13. Disposal considerations:</b> Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.	
13.1 Waste treatment methods	Do not pour into drains or waterways.
13.1.1. Product /Packaging disposal:	Empty container completely. Keep label on container.
13.1.2 Waste treatment-relevant information:	Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Dispose of the contents / container in accordance with the local / regional/ national/ international regulations.

<b>14. Transport information:</b> Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015, IMDG 2014, ICAO/IATA 2015).	
14.1 UN Number or ID number	1169
14.2 UN proper Shipping name	EXTRACTS, AROMATIC LIQUID.
14.3 Transport hazard class(es)	 3
14.4 Packing group	III
14.5 Environmental hazards	 Environmentally hazardous material.
14.6 Special precautions for user	

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	LQ7	601 640E	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5L	F-E, S-D	223 955	E1



IATA	Class	2°Label	Pack gr.	Passenger	Passenger	Cargo	Cargo	Note	EQ
	3	-	III	355	60 L	366	220 L	A3	E1
	3	-	III	Y344	10 L	-	-	A3	E1

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

No data available.

### 15 Regulatory information

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

No data available

#### 15.2 Chemical Safety Assessment

No data available

### 16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation (EC) No 1272/2008 Version 4.2 March 2021’.

(ii) **Abbreviations and acronyms:**

**DNEL:** Derived No-Effect Level.

**PNEC:** Predicted No- Effect Concentration.

**ADR:** European agreement concerning the international carriage of dangerous goods by road.

**RID:** Regulations concerning the International carriage of Dangerous goods by rail.

**IATA-DGR:** Dangerous Goods Regulations by the “International Air Transport Association” (IATA)

**ICAO:** International Civil Aviation Organisation

**ICAO-TI:** Technical Instructions by the ‘International Civil Aviation Organisation” (ICAO)

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**ICAO:** International Maritime Dangerous Goods.

**GHS:** Globally Harmonised System of Classification and Labelling of Chemicals

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**ELINCS:** European List of Notified Chemical Substances

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

**WGK:** Water Hazard Class.

**LC50:** Lethal concentration, 50 percent

**LD50:** Lethal Dose, 50 percent

**PBT:** Persistent, Bio accumulative and Toxic

**vPvB:** Very Persistent and very Bio accumulative

**Flam. Liq:** Flammable Liquid

**AT:** Acute Toxicity – O = Oral / D = Dermal / I = Inhalation

**Asp:** Aspiration Hazard

**Skin Corr/ Irrit:** Skin Corrosion / Irritation

**Skin Sens:** Skin Sensation

**Eye Dam/ Irrit:** Eye damage / Irritation

**Muta:** Mutagenic

**Carc:** Carcinogenic  
**Resp:** Respiration Sensitive  
**Repro:** Reproductive Sensitive  
**EH A:** Environmental Hazard Aquatic Acute  
**EH C:** Environmental Hazard Aquatic Chronic

**(iii) Key Literature references and sources of date.**

**(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure
<b>(v) Relevant H-statements (number and full text):</b>	
<b>(vi) Training advice:</b>	
<b>(vii) Further information:</b>	
<b>Shelf life</b>	Minimum 12 months when stored in the advised conditions.

**QC requirements**

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

**Disclaimer:**

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.