

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product Name	Helichrysum Essential Oil (Immortelle)
INCI No	<i>Helichrysum Splendidum Oil</i>
Synonyms & Trade names	-
Botanical Name/Family	Helichrysum Splendidum

2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1. Substances			
Chemical Identification: Helichrysum Splendidum Oil (100% natural essential oil)			
2.2. Hazardous constituents according to EG-Regulation 1272/2008 (CLP)			
NAME OF CONSTITUENT	CAS NO.	EC NO.	% COMPOSITION
Alpha-Cadinol	481-34-5	N/A	1 - 3%
Classification (EC 1272//2008)	N/A		
Alpha-Murolene	31983-22-9	N/A	0.5 - 11%
Classification (EC 1272//2008)	N/A		
Alpha Pinene	80-56-8	201-291-9	0.5 - 3%
Classification (EC 1272//2008)	Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304		
Beta-Bourbonene	5208-59-3	N/A	1 - 5%
Classification (EC 1272//2008)	N/A		
Beta-Pinene	127-91-3	204-872-5	3 - 11%
Classification (EC 1272//2008)	Danger, Flam. Liq. 3 - H226, Skin Sens. 1 - H317, Asp Tox. 1 - H304, Aquatic Chronic 1 - H410		
Beta-Phellandrene	555-10-2	209-081-9	6 - 24%
Classification (EC 1272//2008)	N/A		

Borneol	507-70-0	207-353-1	0.5 - 2%
Classification (EC 1272//2008)	Falm. Sol. 1, - H228		
Delta-Cadinene	483-76-1	N/A	8 - 21%
Classification (EC 1272//2008)	N/A		
Gamma-Cadinene	1460-97-5	N/A	5 - 13%
Classification (EC 1272//2008)	N/A		
Germacrene-D	37839-63-7	N/A	7 - 11%
Classification (EC 1272//2008)	N/A		
Sabinene	3387-41-5	222-212-4	< 2%
Classification (EC 1272//2008)	Flam Liq. 3, - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3, - H335		
T-Cadinol	5937-11-1	N/A	2 - 5%
Classification (EC 1272//2008)	N/A		

3. HAZARD IDENTIFICATION

3.1. Classification of substance or mixture

The full text for all hazard statements is displayed in section 16

Hazard class and Hazard category	Code	Hazard Statement
Flammable liquids, category 3	H226	Flammable liquid and vapour
Aspiration hazard, category 1	H304	May be fatal if swallowed and enters airways
Skin corrosion/irritation, category 2	H315	Causes skin irritation
Causes serious eye damage/irritation, category 1	H318	Causes serious eye damage

Hazardous to the aquatic environment, acute category 1	H400	Very toxic to aquatic life
Hazardous to the aquatic environment, chronic category 1	H410	Very toxic to aquatic life with long lasting effects

3.2. Label Elements

Labels in accordance with (EC) No 1272/2008



Signal word Danger

3.3. Hazardous Statements

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

3.4. Precautionary Statements

P273	Avoid release into the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection

3.5. Supplementary Precautionary Statements	
P210	Keep away from heat / sparks / open flames / hot surfaces. - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical / ventilating / lighting / equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P262	Do not get in eyes, on skin, or on clothing
P273	Avoid release into the environment
P280	Wear protective gloves, clothing, eye protection, face protection and hearing protection
3.6. Response Statements	
P301/P310	IF SWALLOWED: immediately call a POISON CENTER or Dr/Physician
P302/P352	IF ON SKIN: wash with plenty of soap and water
P305/P351/ P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if easy to do. Continue rinsing
P310	Immediately call a POISON CENTER or Dr/Physician
P321	Specific treatment...
P331	Do NOT induce vomiting
P332/P313	If skin irritation occurs: get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P370/P378	In case of fire: use CO2 or extinction
P391	Collect spillage
3.7. Storage Statements	
P403/P235	Store in a well-ventilated place. Keep cool
P405	Store locked up

3.6. Response Statements	
P301/P310	IF SWALLOWED: immediately call a POISON CENTER or Dr/Physician
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P332/P313	If skin irritation occurs: get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P370/P378	In case of fire: use CO2 or extinction
P391	Collect spillage
3.7. Storage Statements	
P403/P235	Store in a well-ventilated place. Keep cool
P405	Store locked up
3.8. Disposal Statements	
P501	Dispose of contents/container in accordance with local regulation
3.9. Other hazards	
Allergens (according to regulations (EC) No 1223/2009 on cosmetic products)	
Allergens	NONE

4. FIRST AID MEASURES

4.1. Description of first aid measures	
Inhalation	Remove to fresh air environment - summon a physician immediately
Ingestion	Dilute with water. Do not induce vomiting. Contact physician
Skin contact	Wash contaminated skin with copious amounts of water and soap. Remove contaminated clothes and wash them before reuse. Summon a physician, if an irritation appears

Eye contact	Wash contaminated skin with copious amounts of water for at least 10 minutes - open eyelids forcible. Summon a physician immediately
4.2. Most important symptoms and effects, both acute and delayed	
No additional data available	
4.3. Indication of any immediate medical attention and special treatment needed	
Contact a poison specialist immediately if large quantities have been ingested or inhaled	

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media	
Suitable extinguishing media	CO2, foam or powder extinguishers
Unsuitable extinguishing media	Direct water jet
5.2. Special hazards arising from the product	
<ul style="list-style-type: none"> • Avoid breathing vapours and smokes produced by fire • Burning will cause strong smoke and soot • Vapours may form explosive mixtures with air • Containers may explode with the heat of fire 	
5.3. Advice for firefighters	
Do not attempt to fight the fire with water, which tends to feed rather than smother the flames. Essential oils have the ability to float on water and this causes the fire to propagate more quickly. Small fires can be smothered by covering with earth, sand or a blanket	

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precaution, protection equipment and emergency procedure
Avoid skin, eye and clothes contact. There is a risk of sliding caused by the leaked product. Ventilate well spilling area. Keep away from sources of ignition.
6.2. Environmental precautions
Avoid disposal into drainage, sewer systems or in any natural environment. Dispose binding material, cloths and sponges according to the national law.

6.3. Methods and material for containment and cleaning up

Use of absorbent material (e.g., sand, diatomaceous earth).

6.4. Reference to other sections

See section 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Ventilate the storage and preparation warehouse/laboratory. Avoid eating, drinking and smoking in the places where products are stored and treated. Manipulate with caution to avoid any projection particularly in eyes and on mucous membranes. Do not expose vapours to the flame or quite other source of ignition. Do not inhale warm vapours

7.2. Conditions for safe storage, including any incompatibilities

It is recommended to keep the product in a water-tight and air-tight container. Keep away from heat and sunlight. Store in a cool and good ventilated area.

7.3. Specific end use(s)

No additional data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Pay attention to the usual precautionary measures with the contact of essential oils. Use good hygiene practice: wash before contact, before eating and at the end of the working day

8.2. Exposure controls

Personal protective equipment	None
Breathing protection	Use in well aired areas
Eye protection	Safety glasses
Hand protection	Protective gloves
Skin protection	Avoid skin contact. Protective suit should be worn

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties	
Appearance	Oily liquid
Colour	Yellowish to greenish
Odour	Sweet, herbaceous
Flash point	52°C
Relative density	0.840 - 0.950 @ 20°C
Refractive index	1.440 - 1.550 @ 20°C
Boiling point	No additional data available
Melting point	No additional data available
Vapour pressure	No additional data available
Solubility in water @ 20°C	Insoluble
Auto ignition temperature	No additional data available
Optical rotation	- 25° to + 6°
9.2. Other information	
Main components: Helichrysum Splendidum Oil	

10. STABILITY AND REACTIVITY

10.1. Reactivity
This material is stable under normal usage conditions
10.2. Chemical Stability
This material is stable under normal usage conditions
10.3. Possibility of hazardous reactions
None according to our knowledge

10.4. Conditions to avoid
Do not expose to high temperature or ignitions
10.5. Incompatible materials
Avoid flammable materials, PVC
10.6. Hazardous decomposition products
Nothing in proper storage conditions

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicity			
Chemical description	ORAL LD50	DERMAL LD50	INHALATION LD50
Alpha-Cadinol	/	/	/
Alpha-Murolene	/	/	/
Alpha-Pinene	3.700 mg/kg (RAT)	> 5.00 mg/kg (RABBIT)	/
Beta-Bourbonene	/	/	/
Beta-Phellandrene	/	/	/
Beta-Pinene	4.700 mg/kg (RAT)	/	/
Borneol	4.300 mg/kg (RAT)	> 3.00 mg/kg (RABBIT)	/
Delta-Cadinene	/	/	/
Gamma-Cadinene	/	/	/
Germacrene-D	/	/	/
Sabinene	/	/	/
T-Cadinol	/	/	/
11.2. Carcinogenicity			
No significant effects or critical hazards			

11.3. Germ cell mutagenicity
No significant effects or critical hazards
11.4. Reproductive toxicity
No significant effects or critical hazards
11.5. Aspiration hazard
H304 - May be fatal if swallowed and enters airways
11.6. Skin corrosion/irritation
H315 - Causes skin irritation
11.7. Eye damage
H318 - Causes serious eye damage
11.8. Respiratory or skin sensitization
No significant effects or critical hazards
11.9. STOT-single exposure
No data available
11.10. STOT-repeated exposure
No data available
11.11. Information on likely routes of exposure
No data available
11.12. Symptoms related to the physical, chemical and toxicological characteristics
No data available
11.13. Delayed and immediate effects as well as chronic effects from short and long term exposure
No data available



12. ECOLOGICAL INFORMATION

12.1. Toxicity
Use product only referred to good laboratory practice (GLP) to ensure that it is not released into the environment. According to regulation 1272/2008: H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects Daphnies toxicity (EC50) No further relevant information available
12.2. Persistence and degradability
No further relevant information available
12.3. Bioaccumulative potential
Bioconcentration factor (BCF): No further relevant information available Partition coefficient n-octanol / water (log KO/W): No further relevant information available
12.4. Mobility in soil
No further relevant information available
12.5. Results of PBT and vPvB assessment
No further relevant information available
12.6. Other adverse effects
No further relevant information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste should be recycled to disposed of according to the legislation in force, preferable by an approved recycling of waste treatment company

14. TRANSPORT INFORMATION

14.1. UN numbers			
Road	1266		
Sea	1266		
Air	1266		
14.2. UN Proper shipping name			
PERFUMERY PRODUCTS with flammable solvents			
14.3. Transport hazard class(es)			
ADR/RID	Class 3	Flammable liquid	
IMDG/IMO	Class 3	Flammable liquid	
ICAO/IATA	Class 3	Flammable liquid	
14.4. Packing group			
ADR/RID	III		
IMDG/IMO	III		
ICAO/IATA	III		
14.5. Environmental hazards			
MARINE POLLUTANT			
			
14.6. Special precautions for user			
Not regulated			

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

Not regulated

15. REGULATORY INFORMATION

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

Statutory instruments	The chemicals [Hazard information and packaging for supply regulation 2009 (SI 2009 NO 716)]
Guidance notes	Workplace exposure limit EH40. CHIP for everyone HSG (108)
EU Legislation	Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulations (EC) No 1488/94 as well as Council Directive 79/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, 2000/21/EC, including amendments

15.2. Chemical safety assessment

No additional data available

16. OTHER INFORMATION

16.1. Hazardous and precautionary statements

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