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Material Safety Data Sheet / MSDS

(1907/2006/EC Article 31)

HELICHRYSUM (IMMORTELE) ORGANIC ESSENTIAL OIL

VERSION 1: 20.9.2024

SECTION 01: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

ORIGIN:	Bosnia and Hercegovina (BIH)
PRODUCT'S NAME:	Helichrysum (Immortele) organic essential oil
INCI NAME:	Helichrysum italicum flower oil
BOTANICAL NAME:	Helichrysum italicum
CAS Number:	90045-56-0
EC Number:	289-918-2
EINECS Number:	/

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Application of the substance:

- Flavouring agent
- Cosmetic ingredient
- Aromatherapy use

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

SUPPLIER:	BOHDEI d.o.o.
ADDRESS:	Pavlova vas 66 8255 Pisece Slovenia, EU
E-MAIL:	info@amonanis.si
TELEPHONE:	+386 70 184 666

1.4 EMERGENCY TELEPHONE NUMBER

+386 70 184 666

SECTION 02:
HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE (Classification according to Regulation (EC) No 1272/2008)

Flammable liquid, category 3, H226
Aspiration hazard, category 1, H304
Skin irritation/corrosion, category 2, H315
Skin sensitasion, category 1, H317
Hazardous to the aquatic environment - long-term hazard, category chronic 3, H410

2.2 LABEL ELEMENTS (Labelling according to Regulation (EC) No 1272/2008)

Pictograms:

		
GHS02	GHS07	GHS08

Signal word: Danger

Hazard 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.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P237 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P301/P330/P331 If SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor/physician.
P501 Dispose of contents/container to regional, national regulation.

2.3 OTHER HAZARDS
No data available.

SECTION 03:
COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

NCS (natural complex substance): 100% pure and natural essential oil

List of principal components:

Name of component	CAS Number	EINECS Number	% composition	Classification Regulation (EC) No 1272/2008
Gamma-curcumene	/	/	10-20	no data available
Beta-selinene	/	/	5-15	no data available
Beta-caryophyllene	87-44-5	201-746-1	3-10	AH1, SS1B / H304, H317
Italicenes	/	/	3-10	no data available

Neryl acetate	141-12-8	/	5-15	Skin Sens. 1B - H317 Aquatic Chronic 3 - H412 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411 Skin Sens. 1 - H317

SECTION 04:
FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General information:	Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident. Seek immediate medical advice. Never give anything by mouth to an unconscious person. It is recommended that those who provide first aid have a personal protective equipment. No action shall be taken involving any personal risk or without suitable training.
After inhalation:	Supply fresh air. Do not administer anything orally. If unconscious, place them in a suitable position. Seek medical assistance.
After skin contact:	Remove contaminated clothing. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact:	Check for and remove any contact lenses. Rinse opened eyes for at least 10 minutes under running water while pulling eyelids up. Don't let the person to rub the affected eye. If symptoms persist, consult a doctor.
After swallowing:	Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Move exposed person to fresh air. If unconscious, place them in a suitable position. Seek medical assistance.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Aspiration hazard.
May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration).
May produce an allergic reaction (rash, urticaria).
Read label before use.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
Get medical attention if any discomfort is felt, and bring these instructions.

SECTION 05:
FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing agents:
CO2, sand, foam, extinguishing powder.

Unsuitable extinguishing agents:
Water with full jet or fog (spray).

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5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazards: The product is not flammable.
Formation of toxic gases is possible during heating or in case of fire.

5.3 ADVICE FOR FIREFIGHTERS

Standard procedure for chemical fires.
Spray extinguishing media to base of flames.

Fire precautions:
Evacuate the area.
Container may explode in the heat of a fire.
Cool endangered receptacles with water spray. Take wind direction into account.
Move undamaged containers from immediate hazard area if it can be done safely.

Protective equipment:
Do not intervene without suitable protective equipment.
Use full face, self-contained breathing apparatus.
Full body protection.

SECTION 06:
ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For first aiders:
Wear protective equipment.
Ensure adequate ventilation.
Plug the leak if it is safe to do so.
Keep away from ignition sources.
Keep unprotected persons away.

For non-rescuers:
Ventilate the spill area.
Avoid contact with skin and eyes.
Avoid inhalation of gases, vapours or smoke.
Do not smoke.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 07: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Individual precautions
Apply good manufacturing practice and industrial hygiene practices.
Do not eat, drink or smoke while handling.
Avoid contact with skin and eyes.
Do not inhale the vapors, do not swallow.
Prevent access to persons not required.
Wear personal protective equipment.
Wash your hands after any manipulation.
Contaminated work clothes should not leave the workplace.

Packaging precautions
Store in original container or other container approved alternative made from a compatible material.
Keep receptacles tightly sealed when not in use.
Avoid spills.
Empty containers retain residue product.
Keep away from heat, sparks, open flame and direct sunlight.
Do not use tools that can cause sparks.
Avoid exposing to high temperatures during processing.
Handle with care. Avoid jolting, friction and impact.

Working area protection
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Protect against electrostatic charges.
Electrical equipment has to be protected according to applicable standards.
Avoid release to the environment.
Use appropriate container to avoid environmental contamination.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
Use only receptacles specifically permitted for this substance/ product. Avoid PVC.
Once the containers are open, they must be carefully closed and placed vertically to prevent spills.
Keep container tightly sealed.
Store the containers between 5 and 25° C in a dry and dark place.
Protect from heat and direct sunlight.
Do not smoke near the product.
Store receptacle in a well ventilated area.
Keep away from oxidising agents and from highly acidic or alkaline materials.

Information about storage in one common storage facility:
Not required.

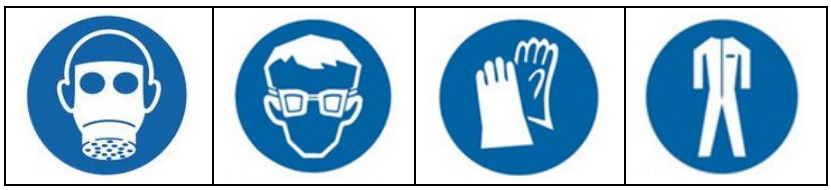
7.3 SPECIFIC END USE(S)
No data available.

SECTION 08:
EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace:
Not required.

8.2 EXPOSURE CONTROLS



General protective and hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals. Ensure good ventilation of the working area. Provide eyewash station. Avoid static discharges in working area. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Do not inhale dust / smoke / mist. Avoid contact with the skin. Avoid contact with the eyes.
Respiratory protection:	Avoid breathing vapors. Use suitable respiratory protective device in case of insufficient ventilation. Wear full face mask supplied with gas cartridge suitable for organic substances (Filter A2 type).
Protection of hands:	Avoid skin contact. Wear suitable protective gloves resistant to chemical agents in accordance with standard EN374. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Type of gloves recommended Nitrile rubber or PVA (Polyvinyl alcohol).
Skin protection:	Wear apron or protective clothing in case of splashes.
Eye/face protection:	Avoid contact with eyes. Wear approved safety goggles with built in frame tested to EN166.
Body protection:	Impervious protective clothing. Boots.
Environmental exposure control:	Avoid release into the environment.

SECTION 09:
PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION	
PHYSICAL STATE:	Liquid
COLOUR:	Pale yellow to orange
ODOUR:	Rich, honey-like, herbal
ODOUR THRESHOLD:	Not determined
BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE:	Not determined

FLAMMABILITY:	Not determined
LOWER AND UPPER EXPLOSION LIMIT:	Not determined
FLASH POINT:	+40°C
DECOMPOSITION TEMPERATURE:	Not determined
PH:	Not determined
VISCOSITY:	Not determined
DYNAMIC:	Not determined
SOLUBILITY WATER:	Insoluble in water. Soluble in ethanol at a ratio of 1:3.
PARTITION COEFFICIENT N-OCTANOL/WATER (LOG VALUE)	Not determined
VAPOUR PRESSURE:	Not determined
DENSITY AND/OR RELATIVE DENSITY:	0.880 - 0.900

9.2 OTHER INFORMATION
No data available.

SECTION 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
Not expected under normal temperature conditions and recommended use.

10.4 CONDITIONS TO AVOID
Avoid excessive heat, sparks or open flame. No special precautions other than good housekeeping of chemicals.

10.5 INCOMPATIBLE MATERIALS
No data available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

Acute toxicity:
Harmful if swallowed.

LD/LC50 values relevant for classification:
Not determined.

Primary irritant effect:
Skin corrosion/irritation: Causes skin irritation (H315)
Serious eye damage/irritation: No data available.
Respiratory or skin sensitisation: May cause an allergic skin reaction (H317)

Germ cell mutagenicity:
Not determined.

Carcinogenicity:
Not determined.

Reproductive toxicity:
Not determined.

STOT-single exposure:
Not determined.

STOT-repeated exposure:
Not determined.

Aspiration hazard:
May be fatal if swallowed and enters airways.

Subacute to chronic toxicity:
Not determined.

Photo-toxicity:
No data available.

11.2 INFORMATION ON OTHER HAZARDS
No data available.

SECTION 12:
ECOLOGICAL INFORMATION

12.1 TOXICITY

Aquatic toxicity:
Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2 PERSISTENCE AND DEGRADABILITY
No data available.

Behaviour in environmental systems:
Not determined.

12.3 BIOACCUMULATIVE POTENTIAL
No data available.

12.4 MOBILITY IN SOIL
No data available.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT
Not determined.

12.6 ENDOCRINE DISRUPTING PROPERTIES
Not determined.

12.7 OTHER ADVERSE EFFECTS
No data available.

Ecotoxical effects:
Not determined.

Additional ecological information:
Not determined.

SECTION 13:
Disposal considerations

13.1 WASTE TREATMENT METHODS

Recommendation:
Must be specially treated adhering to official regulations.

Uncleaned packaging:
Disposal must be made according to official regulations.

SECTION 14:
TRANSPORT INFORMATION

Land: Transport by road: ADR, Transport by rail: RID.
Transport documentation: Consignment note and written instructions.

Sea: Transport by ship: IMDG.
Transport documentation: Bill of lading.

Air: Transport by plane: ICAO/IATA.
Transport document: Airway bill.

14.1 UN NUMBER OR ID NUMBER

ADR/ADN/RID: UN 1997
IMDG: UN 1997
ICAO/IATA: UN 1997

14.2 UN PROPER SHIPPING NAME

ADR/ADN/RID: FLAMMABLE LIQUID, N.O.S. (Contains Immortelle, Helichrysum italicum, oil)
IMDG: FLAMMABLE LIQUID, N.O.S. (Contains Immortelle, Helichrysum italicum, oil)
ICAO/IATA: FLAMMABLE LIQUID, N.O.S. (Contains Immortelle, Helichrysum italicum, oil)

14.3 TRANSPORT HAZARD CLASS(ES)

ADR/ADN/RID: 3 Flammable liquid
IMDG: 3 Flammable liquid
ICAO/IATA: 3 Flammable liquid



14.4 PACKING GROUP

ADR/ADN/RID: III
IMDG: III
ICAO/IATA: III

14.5 ENVIRONMENTAL HAZARDS
Marine pollutant(s): not concerned

14.6 SPECIAL PRECAUTIONS FOR USER
Not concerned.

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS
Not concerned.

14.8 ADDITIONAL INFORMATION
Customs Code : 3301

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE
Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

15.2 CHEMICAL SAFETY ASSESSMENT:
No data available.

SECTION 16: OTHER INFORMATION

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

Relevant phrases:
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.
H410 Very toxic to aquatic life with long lasting effects.

Training hints:
Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

Abbreviations and acronyms:

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IFRA:International Fragrance Association
IOFI:International Organization of the Flavor Industry
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Key literature references and sources:
- Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.
- Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
- Regulation (EC) No 1907/2006 of the European Parliament and of 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 Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work). Reason for Change: N/A Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and our company assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.