

MATERIAL SAFETY DATA SHEET



1. Identification of Substance/Preparation & Company.

PRODUCT NAME: Helichrysum

PRODUCT CODE: HELI

SUPPLIER: Green Valley Aromatherapy Ltd.,
420 Fitzgerald Avenue, Courtenay, British Columbia, CANADA V9N7N2
Emergency Tel No: 011-250-334-4836. Contact Person: Paula Monkman-Shortt

2. Composition / Information on Ingredients.

DEFINITION/BOTANICAL ORIGIN: The volatile oil obtained by the steam distillation of the flower of *Helichrysum italicum*.

H-No:	CAS No: 8023-95-8	Status: natural
CoE No:	FEMA: n/a	Additives: none
FDA:	IFRA:	Application: Aromatherapy, perfumery
RIFM:	EINECS:	FCCIV:
INCI name: <i>Helichrysum italicum</i>		RTECS:

3. Hazards Identification.

Concentrated product. DO NOT INGEST. Observe good housekeeping practices when handling.

4. First-Aid Measures.

INHALATION:	Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
EYE CONTACT:	Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.
SKIN CONTACT:	Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
INGESTION:	Rinse out mouth with water. Seek medical advice immediately .
OTHER:	When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures.

EXTINGUISHING MEDIA	Use CO ² , Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
RECOMMENDED:	
SPECIAL MEASURES:	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
EXTINGUISHING PROCEDURES:	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures.

PERSONAL PRECAUTIONS:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment. (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
ENVIRONMENT PRECAUTIONS:	Keep away from drains, soils, surface & ground waters.
CLEAN UP METHODS	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.
FOR SPILLAGES:	

7. Handling & Storage.

PRECAUTIONS IN HANDLING:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.
STORAGE CONDITIONS:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
FIRE PROTECTION:	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

Helichrysum oil



8. Exposure Controls/Personal Protection.

RESPIRATORY PROTECTION:	Avoid breathing product vapour. Apply local ventilation where possible.
VENTILATION:	Ensure good ventilation of working area.
HAND PROTECTION:	Avoid all skin contact. Use chemically resistant gloves if required.
EYE PROTECTION:	Use safety glasses.
WORK / HYGIENE PRACTICES:	Wash hands with soap & water after handling.

9. Physical & Chemical Properties.

COLOUR:	yellow
APPEARANCE:	clear liquid
ODOUR:	woody scent with spicy overtones
FLASH POINT °C:	48
Solubility in oil:	soluble
Solubility in water:	insoluble

Typical Analysis by GLC/GCMS:

CONSTITUENT	PERCENTAGE
alpha Pinene	28.9
Beta Pinene	0.5
Limonene	2.6
1,8-Cineole	0.5
Gamma terpinene	0.5
Alpha terpinolene	0.4
Terpinene-ol	0.5
Mezol	0.3
Thymol (carvacol)	0.4
Methyl acetate	4.0
t-copaene	2.5
Italicene	3.1
b-caryophyllene	5.2
Cazcumene	21.2
AR cuzcumane	2.0

10. Stability & Reactivity.

REACTIVITY:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
DECOMPOSITION:	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information.

No information available

12. Ecological Information.

BIODEGRADABILITY:	Data not available
PRECAUTIONS:	Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations.

ROAD (ADR/RID):	Class 3 item 31/c RID No. 301 ADR RN N/2301
AIR (IATA/ICAO):	UN 1993 Class 3.3
SEA (IMDG):	Class 3 UN No: 1993
CHIP:	See section 15

15. Regulatory Information. According to Directive 88/379/EEC

HAZARDS:	Xn Harmful
SYMBOLS:	
RISK PHRASES:	R10 Flammable liquid. R65 May cause lung damage if swallowed.
SAFETY PHRASES:	S7/16/62

16. Other Information.**PACKAGING:**

TYPE	SUITABILITY
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminums	Yes
HPPE	No
F/HDPE	Yes
Other Plastic	No

SHELF LIFE

Minimum 12 when stored within advised conditions. Re-test after 12 months then every 3 months, up to a maximum of 36 months.

Q.C REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

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