



Plant's Power Inc
3-2700 St.Clair Ave west
Toronto, Ontario, M6N 1M2
Contact: 1-416-766-1254

MATERIAL SAFETY DATA SHEET

Helichrysum Essential Oil

Section 1: Product and Company Identification

Product Name: Helichrysum Essential Oil
Botanical Name: *Helichrysum Italicum*
INCI Name: Helichrysum Italicum Flower Oil
EC No.: 289-918-2
EINECS No.: 289-918-2
CAS No.: 90045-56-0

Contact information:

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Section 2: Composition and Information on Ingredients

Composition: Helichrysum Italicum Flower Oil is the volatile oil obtained from the flowers of
Helichrysum italicum

CAS No.: 90045-56-0

% by weight: 100

Section 3: Hazards Identification

Classification of the substance or mixture

The Full Text for all Hazard Statements is Displayed in Section 16.

Human health: May cause lung damage if swallowed
May cause sensitization by skin contact.
Environment The product contains a substance which may cause long term adverse effects in the aquatic environment.

Classification (EC 1272/2008)

Physical and Chemical Hazards:	Flam. Liq. 3 (H226)
Human health:	Asp. Tox. 1 –(H304)
	Skin Sens. 1 (H317)
Environment :	Aquatic Chronic 1(H410)

Label Elements

Label in accordance with (EC) No 1272/2008

Signal Word	Danger
Contains	Limonene, linalool, α -pinene

Hazard Statements

H224 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Section 4: First Aid Measures

Description of first aid measures

Inhalation	Remove immediately from source of exposure into fresh air. Seek medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention immediately.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse.
Ingestion	DO NOT INDUCE VOMITING! Rinse mouth and provide fresh air. Seek medical attention immediately.

Section 5: Fire and Explosive

Extinguishing Media	Extinguish media: Carbon dioxide (CO ₂). Powder. Foam. Unsuitable extinguishing media: Full water jet.
Special hazards arising from the product	(Fires of liquids or liquid turning substances). In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke
Advice for firefighters	Move undamaged containers from immediate hazard area if it can be done safely. Wear suitable breathing apparatus. Wear suitable equipment for self protection.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Give a warning to persons in the hazard area. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Provide adequate ventilation. Give warning to all persons in hazard area if spillage occurs.

Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up.

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

Section 7: Handling and Storage

Precautions for safe handling

Handle in accordance with good hygiene and safety practice.

Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges.

When using, do not smoke, drink or eat. Wear suitable clothing to avoid contact with skin, eyes and clothing.

Avoid inhalation of product vapours. Provide adequate ventilation of working area.

Conditions for safe storage, including any incompatibilities

Keep product tightly closed in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light.

Section 8: Exposure Controls/Personal Protection Engineering

Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	If ventilation is insufficient, use respiratory equipment.
Hand Protection	Wear Chemical resistant gloves (PVC) according to EN374
Eye Protection	Wear approved safety goggles according to EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid contact with skin and eyes. Avoid inhalation of vapours.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental	Exposure Controls Avoid discharging into drainage water. Only eliminate by authorized companies.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Mobile Liquid
Colour	Colourless to yellowish
Odour	Characteristic
Relative Density	0.875 – 0.900 @ 20°C
Flash Point (°C)	51
Refractive Index	1.470- 1.490 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water. Soluble in ethanol at a ratio of 1:3
Auto-ignition temperature (°C)	No additional data available

Section 10: Stability and Reactivity

Reactivity	Stable under the recommended handling and storage conditions.
Chemical stability	Stable under the recommended handling and storage conditions.
Possible hazardous reactions	No hazardous reactions at proper usage and handling.
Conditions to Avoid	Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.
Hazardous Decomposition Products	No dangerous decomposition products known.

Section 11: Toxicological Information

Information on toxicological effects

Acute Toxicity	LD50 (oral) in mg/kg: > 5000 LD50 (dermal) in mg/kg: > 5000
Skin corrosion / irritation	No additional data available
Serious eye damage / irritation	No additional data available
Respiratory or skin sensitisation	No additional data available
Germ Cell Mutagenicity	No additional data available
Carcinogenicity	No additional data available
Reproductive toxicity	No additional data available
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	No additional data available
Photo-toxicity	No additional data available
Other Information	No additional data available

Section 12: Ecological Information

Toxicity	No additional data available
Persistence & degradability	No additional data available
Bioaccumulation Potential	No additional data available
Other adverse effects	Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2

Section 13: Disposal Considerations

Waste treatment methods	Collect and dispose of waste product in accordance with local authority guidelines using a hazardous chemical disposal company. Product remainders should not intrude soil or waters.
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Section 16: Other Information

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Plant's Power be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Plant's Power has been advised of the possibility of such damages.
