

SAFETY DATA SHEET

Appalachian Valley Natural Products
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers:

Product name:	Helichrysum Oil
CAS Number:	8023-95-8
Product Item Code	149

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses:	Manufacturing
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1.3 Details of the supplier of the safety data sheet:

Company Name:	Appalachian Valley Natural Products
Company Address:	260 Maple St Friendsville MD 21531
Company Telephone:	(301)746-4630
Company Fax:	(301)746-4633

1.4 Emergency telephone number:

24-Hour Emergency Number:	(800)255-3924 (ChemTel)
International Emergency Number:	(813)248-0585 (ChemTel)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance mixture:

GHS Classification in accordance with 29 DFR 1910 (OSHA HCS):

Flammable liquids (Category 3)	H226
Respiratory sensitization (Category 1)	H334
Aspiration hazard (Category 1)	H304
Acute aquatic toxicity (Category 2)	H401
Chronic Aquatic Toxicity (Category 2)	H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements:

Pictograms:	
Signal Word:	DANGER

Hazard Statement (s):

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary Statement(s):

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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.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection.
P331	Do not induce vomiting.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P303 + P361 + P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P405	Store locked up.
P403 + P235	Store in well-ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Name:	Helichrysum Oil
Synonyms:	<i>Helichrysum italicum</i>
CAS Number:	8023-95-8

Hazardous Components:

Component:	Oil, Helichrysum
Classification:	Flam. Liq. 3; Resp. Sens. 1; Asp. Tox. 1; Aquatic Acute 2; Aquatic Chronic 2; H226, H304, H334, H411
Concentration:	</=100%

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled:	If breathed in, move person into fresh air. If not breathing, Appalachian Valley Natural Products

	give artificial respiration. Consult a physician
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most Important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labeling (see Section 2.2 and/or section 11).

4.3 Indication of any immediate medical attention and special treatment needed:

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture:

Carbon oxides

5.3 Advice for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information

Use water spray to cool unopened containers

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see Section 8.

6.2 Environmental precautions:

Prevent further leakage of spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see Section 13).

6.4 Reference to other sections:

For disposal see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No
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smoking. Take measures to prevent build up of electrostatic charge. For precautions see Section 2.2

7.2 Conditions for safe storage, including incompatibilities:

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s):

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

To the best of our knowledge, contains no substances with occupational exposure limit values

8.2 Exposure controls:

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Person protective equipment:

Eye/Face Protection:	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection:	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Semi-opaque, mobile liquid
Odor:	Sweet, Pleasant
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available

Initial boiling point and boiling range:	No data available
Flash point:	40°C (104°F) - closed cup
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor Pressure:	No data available
Vapor density:	No data available
Relative density:	0.89 g/mL at 25°C
Water solubility:	No data available
Partition coefficient:n-octanol/water:	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other safety 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:

No data available

10.4 Conditions to avoid

Heat, flames, and sparks

10.5 Incompatible materials:

Strong oxidizing agents

10.6 Hazardous decomposition products:

No data available. In the event of fire see Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity:	No data available
Skin Corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. Appalachian Valley Natural Products</p>	

Carcinogenicity:	<p><u>ACGIH</u>: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.</p> <p><u>NTP</u>: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p><u>OSHA</u>: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA</p>
Reproductive toxicity:	No data available
Specific target organ toxicity-single exposure	Inhalation – may cause respiratory irritation
Specific target organ toxicity-related exposure	No data available
Aspiration hazard:	The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.
Additional information:	No data available

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No data available

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting, as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging:

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)	UN number: 1993 Class: 3 Packaging group: III Proper shipping name: Flammable liquids, n.o.s. (Helichrysum oil) Poison inhalation hazard: No
IMDG	UN number: 1993 Class: 3 Packaging group: III EMS No: F-E, S-E Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Helichrysum oil)
IATA	UN number: 1993 Class: 3 Packaging group: III Proper shipping name: Flammable liquids, n.o.s. (Helichrysum oil)

SECTION 15: REGULATORY INFORMATION

SARA 302 Components	No chemicals in the material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De minimis) reporting levels established by SARA Title III, Section 313
SARA 311/312 Hazards	Fire Hazard, Acute Health Hazard
Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components	Helichrysum oil CAS-No. 8023-95-8
New Jersey Right to Know Components	contains alpha-pinene
California Prop. 65 Components	contains beta-myrcene

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under Section 2 and 3:

Flam. Liq.	Flammable liquid
Asp. Tox.	Aspiration toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

HMIS Rating:

Health hazard:	2
Chronic health hazard:	*
Flammability	2
Physical hazard	0

NFPA Rating:

Health hazard	2
Fire hazard	2
Reactivity hazard:	0

Further information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Appalachian Valley shall not be held liable for any damage resulting from handling or from contact with the above product.

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