

SAFETY DATA SHEET

Appalachian Valley Natural Products
(301)746-4630

260 Maple Street

Friendsville, MD 21531

www.AV-AT.com

John@AV-AT.com

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers:

Product name:	Basil Oil, Sweet, ct. linalool
CAS Number:	8015-73-4
Product Item Code	196

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 CFR 1910 (OSHA HCS):

Flammable liquid (Category 4)	H227
Acute toxicity, Oral (Category 4)	H302
Skin Irritation (Category 2)	H315
Eye Irritation <Category 2A)	H319
Specific target organi toxicity - single exposure (Category 3), Respiratory system	H335
Acute Aquatic Toxicity (Category 3)	H402
Chronic Aquatic Toxicity (Category 3)	H412

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:	WARNING

Hazard Statement (s):

H227	Combustible liquids
H302	Hamrful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

H335	May cause respiratory irritation.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

P210	Keep away from heat/sparks/open flames/hot surfaces-No Smoking
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (See supplemental first aid instructions on this label).
P330	Rinse mouth.
P362	Take off contaminated clothing and wash before reuse.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P405	Store locked up.
P403 + P233	Store in well-ventilated place. Keep container tightly closed
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:	Basil Oil, Sweet, ct. linalool
Synonyms:	<i>Ocimum basilicum</i>
CAS Number:	8015-73-4

Hazardous Components:

Component:	Oil, Basil, Sweet, ct. linalool
Classification:	Flam. Liq. 4; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Aquatic Acute 3; Aquatic Chronic 3; STOT SE 3; H227; H302; H315, H319, H335; H412
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, 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:	Choose one: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. OR Flush eyes with water as a precaution.
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:

Nature of decomposition products not known

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). Keep in suitable, closed containers for

disposal.

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 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:

Component with workplace control parameters:

Component	CAS No.	Value	Control parameters	Basis
Basil Oil, Sweet, ct. linalool	8015-73-4	TWA	10 mg/m ³ 5mg/m ³	USA NIOSH Recommended Exposure Limits

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).

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, colorless to yellow, mobile liquid
Odor:	Herbal, Sweet
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	215°C (419°F) at 760 mmHg
Flash point:	75°C (180°F)
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:	0.96 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:	LD50 Oral - Rat - 1,400 mg/kg LD50 Dermal - Rabbit - > 5,000 mg/kg
Skin Corrosion/irritation:	No data available
Eye damage/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	<u>IARC</u> : 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. <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. <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. <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
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:	No data available
Additional information:	RTECS: CR3325000 Dermatitis

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. Harmful to aquatic life.

13.1 Waste treatment methods:

Product:

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. 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)	NA number: 1993 Class: None Packaging group: III
	Proper shipping name: Combustible liquid, n.o.s. (Basil Oil, Sweet, ct. linalool)
	Poison inhalation hazard: No
IMDG	Not Dangerous Goods
IATA	Not Dangerous Goods

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	Basil Oil, Sweet, ct. linalool CAS-No. 8015-73-4
New Jersey Right to Know Components	contains alpha-pinene, methyleugenol
California Prop. 65 Components	contains beta-myrcene, estragole, methyleugenol

SECTION 16: OTHER INFORMATION

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

Flam. Liq.	Flammable liquid
Asp. Tox.	Aspiration hazard
Skin Irrit.	Skin irritation
Eye Irrit.	Eye irritation
Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
STOT SE	Specific target organ toxicity – single exposure
H227	Combustible liquids
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation.

H412	Harmful to aquatic life with long lasting effects.
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HMIS Rating:

Health hazard:	2
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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