

SAFETY DATA SHEET

EPIPUL

Date Created: October 2026
Supersedes: N/A

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : EPIPUL
Product Number : N/A
Product Form : Pure pheromone attractant absorbed on paper coaster sealed in a peelable pouch
Brand : Alpha Scents

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

Identified uses : Insect Lure for Western Fruit Moth *Epiphyas pulla*

1.3 Details of the supplier of the safety data sheet

Company : Alpha Scents, Inc
360 S. Sequoia Pkwy.
CANBY OR 97013
USA
Telephone : 503-342-8611
Fax : 314-271-7297

1.4 Emergency telephone number

Emergency Phone # : 800-222-1222

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS-none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

- (1) Chemical Name : E-11-Tetradecenyl Acetate
Synonyms : Trans-11-Tetradecenylacetate, E11-14Ac, 11-Tetradecen-1-ol acetate (11E)-, Trans-11-Tetradecenyl acetate
- Formula : $C_{16}H_{30}O_2$
Molecular weight : 254.41
CAS-No. : 33189-72-9
EC Number : 251-401-4
- (2) Chemical Name : (E,E)-9-11-Tetradecadienyl Acetate
Synonyms : EE-9,11-14Ac
- Formula : $C_{16}H_{28}O_2$
Molecular weight : 252.392
CAS-No. : 54665-98-1
EC Number : 259-287-8

(3)	Chemical Name	:	Tetradecyl acetate
	Synonyms	:	Myristyl Acetate, 14Ac, Acetic acid tetradecyl ester, 1-tetradecanol acetate
	Formula	:	C ₁₆ H ₃₂ O ₂
	Molecular weight	:	256.429
	CAS-No.	:	638-59-5
(4)	EC Number	:	211-344-8
	Chemical Name	:	Hexadecyl acetate
	Synonyms	:	Cetyl Acetate, 16Ac, Hexadec-1-yl acetate
	Formula	:	C ₁₈ H ₃₆ O ₂
	Molecular weight	:	284.483
	CAS-No.	:	629-70-9
	EC Number	:	211-103-6

The exact percentage of composition has been withheld as a trade secret.

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.

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..

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

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 labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

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 workday.

Personal protective equipment

Eye/face protection

None required).

Skin protection

Handle with gloves. None required if lure is in foil pouch. Gloves should be used when handling lures removed from foil pouch.

Wash and dry hands.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

None required.

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(1) E11-Tetradecenyl Acetate

a) Appearance	Form: Liquid (oil) Color: Pale yellow to yellow
b) Odor	fatty, waxy
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	316.2±11.0 °C (601.16 ±51.8°F) @760 Torr
g) Flash point	62 °C (143.6 °F)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Density	0.878±0.06 g/cm ³ (20 °C/68°F @ 760 torr)
n) Water solubility	No data available
o) Partition coefficient	No data available

n-octanol/water

p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) Solubility	Chloroform or DMSO (Slightly)

(2) E,E-9,11-Tetradecadienyl Acetate

a) Appearance	Form: Liquid Color: Colorless to pale yellow
b) Odor	Not established
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	319.4 °C (606.92 °F) US EPA. 2014. Estimation Programs Interface Suite™ for Microsoft® Windows, v 4.11. US EPA, Washington, DC, USA.
g) Flash point	110 °C (230 °F) Pensky-Martens or Grabner Miniflash
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	0.0000924 kPa at 25 °C
l) Vapor density	8.7 Relative to air; air = 1
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) Other information	
Density	0.886 – 0.892 g/cm ³
Flammability Class	Combustible IIIB estimated
Specific Gravity	0.886 – 0.892 at 25 °C

(3) Tetradecyl Acetate

a) Appearance	Form: crystalline solid Color: white to pale yellow
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	No data available.
f) Initial boiling point and boiling range	299-301 °C (570.2-573.8 °F) @ 760 mmHg
g) Flash point	133.33 °C (272 °F) - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	0.03693 mg/L @ 25°C (est)
o) Partition coefficient n-octanol/water	logPow 6.899 (est)
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) Solubility	Alcohol

(4) Hexadecyl Acetate

a) Appearance	Form: solid Color: colorless
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	No data available.
f) Initial boiling point and boiling range	322-323 °C (611.6-613.4 °F) @ 760 mmHg.
g) Flash point	146.11 °C (295 °F) - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	0.000260 mmHg @ 25°C (est)
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient n-octanol/water	logPow 7.740
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

10. STABILITY AND REACTIVITY**10.1 Reactivity**

- (1) This product is stable and non-reactive under normal conditions of use, storage and transport.
- (2) This product is stable and non-reactive under normal conditions of use, storage and transport.
- (3) No information available
- (4) Stable and non-reactive under normal conditions

10.2 Chemical stability

- (1) Stable under recommended storage conditions.
- (2) Stable under normal conditions.
- (3) Stable under normal conditions.
- (4) Stable under normal conditions.

10.3 Possibility of hazardous reactions

- (1) No dangerous reactions known under conditions of normal use.
- (2) No dangerous reactions known under conditions of normal use.
- (3) None under normal processing.
- (4) No dangerous reactions known.

10.4 Conditions to avoid

- (1) Contact with incompatible materials.
- (2) Contact with incompatible materials.
- (3) None known based on information supplied.
- (4) Heat. Contact with incompatible materials.

10.5 Incompatible materials

- (1) Strong oxidizing agents.
- (2) Strong acids. Strong bases. Strong oxidizing agents.
- (3) None known based on information supplied
- (4) Strong oxidizing agents.

10.6 Hazardous decomposition products

- (1) No hazardous decomposition products are known.
- (2) No hazardous decomposition products are known.
- (3) None known based on information supplied
- (4) Formation of toxic gases is possible during heating or in case of fire. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product	Species	Test Results
Trans-11-Tetradecenyl Acetate Acute, Oral, Liquid, LD50 (33180-72-9)	Rat	>5000 mg/kg result for mixture of 93% 11-Tetradecenyl acetate and 4% 9,11-Tetradecadienyl acetate
E,E-9,11-Tetradecadienyl Acetate	N/A	No data available
Tetradecyl Acetate	N/A	No data available
Hexadecyl Acetate, Oral LD50	Rat	>5000mg/kg
Dermal LD50	Rabbit	>5000mg/kg

Inhalation:

- (1) No adverse effects due to inhalation are expected.
- (2) No adverse effects due to inhalation are expected.
- (3) No information available.
- (4) May cause respiratory irritation

Ingestion:

- (1) Expected to be a low ingestion hazard.
- (2) Expected to be a low ingestion hazard.
- (3) No information available.
- (4) Harmful if swallowed

Skin corrosion/irritation

- (1) Prolonged skin contact may cause temporary irritation.
- (2) Prolonged skin contact may cause temporary irritation.
- (3) No information available.
- (4) Prolonged skin contact may cause skin irritation

Serious eye damage/eye irritation

- (1) Direct contact with eyes may cause temporary irritation.
- (2) Direct contact with eyes may cause temporary irritation.
- (3) No information available.
- (4) Causes serious eye irritation.

Respiratory or skin sensitization

- (1) Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
- (2) Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
- (3) No information available.
- (4) Based on available data, the classification criteria are not met.

Germ cell mutagenicity

- (1) No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
- (2) No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
- (3) No information available.
- (4) Based on available data, the classification criteria are not met.

Carcinogenicity

- (1) This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
- (2) This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
- (3) No information available.
- (4) Based on available data, the classification criteria are not met.

Reproductive toxicity

- (1) This product is not expected to cause reproductive or developmental effects.
- (2) This product is not expected to cause reproductive or developmental effects.
- (3) No information available.
- (4) Based on available data, the classification criteria are not met.

Specific target organ toxicity -single exposure

- (1) Not classified.
- (2) Not classified.
- (3) No information available.
- (4) Based on available data, the classification criteria are not met.

Specific target organ toxicity -repeated exposure

- (1) Not classified.
- (2) Not classified.
- (3) No information available.
- (4) Based on available data, the classification criteria are not met.

Aspiration hazard

- (1) Not an aspiration hazard.
- (2) Not an aspiration hazard.
- (3) No information available.
- (4) May cause respiratory irritation.

12. ECOLOGICAL INFORMATION**12.1 (Eco)toxicity**

- (1) The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
- (2) The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
- (3) The environmental impact of this product has not been fully investigated.
- (4) May cause long lasting harmful effects to aquatic life. 100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

12.2 Persistence and degradability

- (1) No data is available on the degradability of this product.
- (2) No data is available on the degradability of this product.
- (3) No information available.
- (4) No information available.

12.3 Bioaccumulative potential

Product	Partition coefficient n-octanol / water (log Kow)
(1) Trans-11-Tetradecenyl acetate	6.54 (US EPA. 2014. Estimation Programs Interface Suite™ for Microsoft® Windows, v 4.11. US EPA, Washington, DC, USA.)
(2) E,E-9,11-Tetradecadienyl acetate	No data available.
(3) Tetradecyl acetate	No information available.
(4) Hexadecyl acetate	No information available.

12.4 Mobility in soil

- (1) No data available.
- (2) No data available.
- (3) No information available.
- (4) No information available.

12.6 Other adverse effects

- (1) No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
- (2) No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
- (3) No information available.
- (4) Water hazard class 1 (German Regulation): Slightly hazardous for water. Do not allow undiluted product to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS**13.1 Disposal instructions**

- (1) Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
- (2) Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
- (3) Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
- (4) Dispose of in accordance with national, regional, and local laws and regulations.

13.2 Local disposal regulations

- (1) Dispose in accordance with all applicable regulations.
- (2) Dispose in accordance with all applicable regulations.
- (3) Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
- (4) Dispose of in accordance with national regulations.

13.3 Hazardous waste code

- (1) The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- (2) The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- (3) The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- (4) Dispose of in accordance with national regulations.

13.4 Waste from residues / unused products

- (1) Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).
- (2) Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).
- (3) Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
- (4) Dispose of in accordance with national regulations.

13.5 Contaminated packaging

- (1) Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
- (2) Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
- (3) Do not reuse empty containers.
- (4) Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (US)

- (1) Not regulated as dangerous goods.
- (2) Not regulated as dangerous goods.
- (3) Not regulated as dangerous goods.
- (4) Not regulated as dangerous goods.

IMDG

- (1) Not regulated as dangerous goods.
- (2) Not regulated as dangerous goods.
- (3) Not regulated as dangerous goods.
- (4) Not regulated as dangerous goods.

IATA

- (1) Not regulated as dangerous goods.
- (2) Not regulated as dangerous goods.
- (3) Not regulated as dangerous goods.
- (4) Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- (1) Not established.
- (2) Not established.
- (3) Not established.
- (4) Not established.

15. REGULATORY INFORMATION

15.1 US federal regulations

- (1) This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.2000
- (2) This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.2000
- (3) Not applicable.
- (4) Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

- (1) Not regulated.
- (2) Not regulated.
- (3) Not applicable.
- (4) Not applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)

- (1) Not listed.
- (2) Not listed.
- (3) Not applicable.
- (4) Not listed.

SARA 304 Emergency release notification

- (1) Not regulated.
- (2) Not regulated.
- (3) Not applicable.
- (4) Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

- (1) Not listed.
- (2) Not listed.
- (3) Not applicable.
- (4) Not listed.

15.2 Superfund Amendments and Reauthorization Act of 1986 (SARA)

Product ↓	✓ Hazard categories ∨				
	Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
E11-14Ac	No	No	No	No	No
EE-9,11-14Ac	No	No	No	No	No
14Ac	No	No	No	No	No
16Ac	No	No	No	No	No

SARA 302 Extremely hazardous substance

- (1) Not listed.
- (2) Not listed.
- (3) Not listed.
- (4) Not listed.

SARA 311/312 Hazardous chemical

- (1) No
- (2) No
- (3) No
- (4) No

SARA 313 (TRI reporting)

- (1) Not regulated.
- (2) Not regulated.
- (3) Not regulated.
- (4) Not regulated.

15.3 Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

- (1) Not regulated.
- (2) Not regulated.
- (3) Not regulated.
- (4) Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

- (1) Not regulated.
- (2) Not regulated.
- (3) Not regulated.
- (4) Not regulated.

Safe Drinking Water Act (SDWA)

- (1) Not regulated.
- (2) Not regulated.
- (3) Not regulated.
- (4) Not regulated.

15.4 US State Regulations**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

- (1) Not listed.
- (2) Not listed.
- (3) Not listed.
- (4) Not listed.

US. Massachusetts RTF – Substance List

- (1) Not regulated.
- (2) Not regulated.
- (3) Not regulated.
- (4) Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

- (1) Not listed.
- (2) Not listed.
- (3) Not listed.
- (4) Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

- (1) Not listed.
- (2) Not listed.
- (3) Not listed.
- (4) Not listed.

US. Rhode Island RTK

- (1) Not regulated.
- (2) Not regulated.
- (3) Not regulated.
- (4) Not regulated.

US. California Proposition 65

- (1) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins
- (2) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins
- (3) No data available.
- (4) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins

16. OTHER INFORMATION**Further information**

Copyright ©2026 Alpha Scents, Inc. The information contained herein 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. Alpha Scents, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.