SAFETY DATA SHEET
SITZEA

Date Revised: August 2025
Supersedes: August 2020

1. PRODUCT AND COMPANY IDENTIFICATION

1.1Product identifiers

Product name	:	SITZEA
Product Number	:	N/A
Product Form	:	Pure pheromone attractant absorbed on a rubber septum
Brand	:	Alpha Scents

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

Identified uses	:	Insect Lure for Maize Weevil *Sitophilus zeamais*

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	:	Racemic (4S,5R)-5-Hydroxy-4-methylheptan-3-one
Synonyms	:	5-Hydroxy-4-methyl-3-heptanone; 3-Heptanone, 5-hydroxy-4-methyl-, (4R,5R)-; 3-Heptanone, 5-hydroxy-4-methyl-, (4R,5S)-; Sitophilure; (+)-Sitophilure
Formula	:	C8H16O2
Molecular weight	:	144.21g/mol
CAS-No.	:	108864-90-0
EC Number	:	N/A

(2)

Chemical Name	:	Vanillin
Synonyms	:	4-Hydroxy-3-methoxybenzaldehyde, Vanillic aldehyde
Formula	:	C8H8O3
Molecular weight	:	152.15 g/mol
CAS-No.	:	121-33-5
EC Number	:	204-465-2

(3)

Chemical Name	:	Valeraldehyde
Synonyms	:	Pentanal
Formula	:	C5H10O
Molecular weight	:	86.13 g/mol
CAS-No.	:	110-62-3
EC Number	:	203-784-4

(4) Chemical Name : Maltol

Synonyms	:	3-Hydroxy-2-methyl-4-pyrone
Formula	:	C6H6O3
Molecular weight	:	126.11 g/mol
CAS-No.	:	118-71-8
EC Number	:	204-271-8

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

5.1Extinguishing 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.

5.4Further 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.

6.4Reference 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.

7.3Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1Control 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

9.1Information on basic physical and chemical properties

(1) (4S,5R)-5-Hydroxy-4-methylheptan-3-one

a) Appearance	No data available 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	No data available
g) Flash point	No data available
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	No data available
l) Vapor density	No data available
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

(2) Vanillin

a) Appearance	Form: Solid Color: Light yellow
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available

e) Melting point/freezing	Melting point/range: 81 - 83 °C (178 - 181 °F)
f) Initial boiling point and boiling range	170 °C 338 °F at 20 hPa
g) Flash point	No data available
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	1 hPa at 107 °C (225 °F) < 0.01 hPa at 25 °C(77 °F) 0.0022 hPa at 25 °C(77 °F)
l) Vapor density	No data available
m) Relative density	1.056 g/cm3 at 20 °C (68 °F)
n) Water solubility	10 g/l at 25 °C (77 °F) - slightly soluble
o) Partition coefficient n-octanol/water	log Pow: 1.23 at 22 °C (72 °F)
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

(3) Valeraldehyde

a) Appearance	Form: clear, Liquid Color: Colorless
b) Odor	Stench
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	Melting point/range: -92 °C (-134 °F) - lit.
f) Initial boiling point and boiling range	102 - 103 °C 216 - 217 °F - lit.
g) Flash point	4 °C (39 °F) - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper explosion limit: 6.8 %(V) Lower explosion limit: 1.7 %(V)
k) Vapor pressure	50 hPa at 20 °C (68 °F)
l) Vapor density	No data available
m) Relative density	0.81 g/cm3 at 25 °C (77 °F)
n) Water solubility	18 g/l at 20 °C (68 °F) - completely soluble
o) Partition coefficient n-octanol/water	Pow: 40; log Pow: 1.5 at 25 °C (77 °F)
p) Auto-ignition temperature	205 °C (401 °F) at 1,005 hPa
q) Decomposition temperature	No data available
r) Viscosity	0.54 mm2/s at 20 °C (68 °F) -
s) Explosive properties	No data available
t) Oxidizing properties	No data available

(4) Maltol

a) Appearance	Form: Solid
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	Melting point/range: 160 - 164 °C (320 - 327 °F)
f) Initial boiling point and boiling range	284.7 °C 544.5 °F at 1013 hPa
g) Flash point	Not applicable
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	0.0015 hPa at 24 °C (75 °F) - OECD Test Guideline 104
l) Vapor density	No data available
m) Relative density	1.44 g/cm3 at 20 °C (68 °F) - OECD Test Guideline 109
n) Water solubility	5.7914 g/l at 24 °C (75 °F) - OECD Test Guideline 105
o) Partition coefficient n-octanol/water	log Pow: 2.3 at 25 °C (77 °F) - OECD Test Guideline 117 - Bioaccumulation is not expected.
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

10.1Reactivity
No data available

10.2Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong bases, Strong oxidizing agents, Strong reducing agents
10.6 Hazardous decomposition products
Other decomposition products-No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No data available
Inhalation: No data available
No data available
Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitization
No data available
Germ cell mutagenicity
No data available
Carcinogenicity

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.
ACGIH:	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.
NTP:	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.
OSHA:	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
No data available
Specific target organ toxicity -repeated exposure
No data available
Aspiration hazard
No data available

12. ECOLOGICAL INFORMATION

12.1Toxicity
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
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product Offer surplus and non-recyclable solutions to a licensed disposal company

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

15. REGULATORY INFORMATION

EPA Exempted from label requirements; CFR 40 152.25(b) if used for monitoring purposes in traps.

16. OTHER INFORMATION

HMIS Rating		
Health hazard	:	1
Chronic Health Hazard	:	0
Flammability	:	0
Physical Hazard	:	0
NFPA Rating		
Health hazard	:	1
Fire Hazard	:	0
Reactivity Hazard	:	0

Further information