

SAFETY DATA SHEET

CHAROS

Date Created: October 2026
Supersedes: N/A

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name	:	CHAROS
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 Carrot Rust Fly *Chamaepsila rosae*

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	:	Hexenal
Synonyms	:	Aldehyde C ₆ , Caproaldehyde, Hexyl aldehyde
Formula	:	C ₆ H ₁₂ O
Molecular weight	:	100.16
CAS-No.	:	66-25-1
EC Number	:	200-624-5

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) Hexanal**

a) Appearance	Form: Liquid Color: Colorless
b) Odor	faintly grassy
c) Odor threshold	No data available
d) pH	5
e) Melting point/freezing point	-57.23 °C / -71.01 °F - OECD 102
f) Initial boiling point and boiling range	130-131 °C / 266-268°F - lit
g) Flash point	25 °C / 77 °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	13 hPa (25 °C / 77 °F)
l) Vapor density	3.46 (Air = 1.0)
m) Density	0.816 ± 0.02 g/cm ³ (20 °C / 68° F) - OECD 109
n) Water solubility	5.77 g/L (20.3 °C / 68.5 °F) - OECD 106
o) Partition coefficient n-octanol/water	log Pow: 2.3 (25 °C / 77 °F) – OECD 117
p) Auto-ignition temperature	204-205 °C / 399-401 °F @ 1,004.7 – 1020 hPa
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	Not classified as explosive
t) Oxidizing properties	None
u) Surface tension	50.11 mN/m (20 °C / 68 °F) – OECD 115

10. STABILITY AND REACTIVITY**10.1 Reactivity**

Vapor/air mixtures are explosive at intense warming

10.2 Chemical stability

Stable under standard ambient conditions.

10.3 Possibility of hazardous reactions

Violent reactions possible with: alkalines, oxidizing agents, strong reducing agents, Amines, Ammonia, bases.

10.4 Conditions to avoid

Heating

10.5 Incompatible materials

Various plastics, Strong oxidizing 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

LD50 Oral - Rat - 4,890 mg/kg

Remarks: (RTECS)

Inhalation: No data available

LD50 Dermal - Rabbit - male - > 8,100 mg/kg Remarks: (ECHA)

Skin corrosion/irritation

Skin - in vitro assay Result: irritating

(OECD Test Guideline 439)

Serious eye damage/eye irritation

Eyes - In vitro study

Result: Causes serious eye irritation. (OECD Test Guideline 492)

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

Test Type: Chromosome aberration test in vitro

Test system: Chinese hamster lung cells

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473

Result: negative

Test Type: In vivo mammalian alkaline comet assay Species: Rat

Application Route: Oral

Method: OECD Test Guideline 489 Result: negative

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

11.2 Additional Information

Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level - 1,000 mg/kg - Lowest observed adverse effect level - > 1,000 mg/kg

RTECS: MN7175000

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

After absorption:

Nausea Vomiting Unconsciousness narcosis

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Components:

hexanal:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 14 mg/l

End point: mortality

Exposure time: 96 h

Analytical monitoring: yes

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): 7.16 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants:

ErC50 (Desmodesmus subspicatus (green algae)): 22.6 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 7.93 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Toxicity to microorganisms:

EC50 (activated sludge): > 250 mg/l
Exposure time: 3 h
Test Type: static test
Method: OECD Test Guideline 209
GLP: yes

12.2 Ecotoxicology Assessment

Chronic aquatic toxicity:

This product has no known ecotoxicological effects.

12.3 Persistence and degradability

Components:

hexanal:

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Concentration: 37 mg/l
Result: Readily biodegradable.
Biodegradation: 69 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

12.4 Bioaccumulative potential

Partition coefficient: logPow: 2.3 (77°F/25°C)
n-octanol/water : pH: 5
Method: OECD Test Guideline 117
GLP: yes
Remarks: Bioaccumulation is not expected.

12.5 Mobility in soil

No data available

12.6 Other adverse effects

Product:

Ozone-Depletion

Potential : Regulation: 40 CFR Protection of Environment;
Part 82 Protection of Stratospheric Ozone - CAA Section
602 Class I Substances
Remarks: This product neither contains, nor was
manufactured with a Class I or Class II ODS as
defined by the U.S. Clean Air Act Section 602 (40 CFR
82, Subpt. A, App.A + B).

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from : Waste material must be disposed of in accordance
Residues: with the national and local regulations. Leave
chemicals in original containers. No mixing with other
waste. Handle uncleaned containers like the product
itself.

14. TRANSPORT INFORMATION

14.1 International Regulations

IATA-DGR

UN/ID No. : UN 1207
Proper shipping name : Hexaldehyde
Class : 3
Packing group : III
Labels : Class 3 – Flammable Liquids
Packing instruction : 366
(cargo aircraft)
Packing instruction : 355
(passenger aircraft)

IMDG-Code

UN number : UN 1207
Proper shipping name : HEXALDEHYDE
Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

14.2 Transport in bulk according to IMO instruments

Not applicable for product as supplied.

14.3 National Regulations

49 CFR Road

UN/ID/NA number : UN 1207
Proper shipping name : Hexaldehyde
Class : 3
Packing group : III
Labels : Class 3 - Flammable liquids
ERGCode : 130
Marine pollutant : no
Poison Inhalation : No
Hazard

14.4 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

15.1 CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ

15.2 SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

15.3 SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

15.4 SARA 311/312

Hazards

: Fire Hazard

15.5 SARA 313

: 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.

15.6 Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

15.7 Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

15.8 US State Regulations Massachusetts Right To Know

hexanal

66-25-1

15.9 Pennsylvania Right To Know

hexanal

66-25-1

15.10 Maine Chemicals of High Concern

Product does not contain any listed chemicals

15.11 Vermont Chemicals of High Concern

Product does not contain any listed chemicals

15.12 Washington Chemicals of High Concern

Product does not contain any listed chemicals

15.13 The components of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

15.13a TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

16.1 HMIS Rating

Health hazard	:	1
Chronic Health Hazard	:	0
Flammability	:	0
Physical Hazard	:	0

16.2 NFPA Rating

Health hazard	:	1
Fire Hazard	:	1
Reactivity Hazard	:	0

16.3 Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self- Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

16.4 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.