



Version: 2 (01/11/2024)

# **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Carrot seed oil FPD-2015A-1731

Version: 2

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** Carrot seed oil; CAS: 8015-88-1

Other identifiers: Carrot extract

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Perfumer's Apprentice
Company address: 170 Technology Circle

Scotts Valley CA 95066 USA

Contact: Elisabeth Hanson

**E-Mail address:** regulatory@perfumersapprentice.com

Company phone: (831)316-7137 1.4 Emergency telephone number

**Emergency phone:** ChemTel:1(800)255-3924, 01(813)248-0585 MIS6760377

# Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

Class and category of Flammable Liquid, Hazard Category 4 danger:

Skin Corresion / Irritation Category 2

Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 2A Sensitization - Skin Category 1 Aspiration Hazard Category 1

H304, May be fatal if swallowed and enters airways.

H227, Combustible liquid. H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

2.2 Label elements

Signal word: Danger

**Hazard statements:** H304, May be fatal if swallowed and enters airways.

H227, Combustible liquid. H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.





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M factor: None

Precautionary statements:

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P261, Avoid breathing vapour or dust.

P264, Wash hands and other contacted skin thoroughly after handling.

P272, Contaminated work clothing should not be allowed out of the workplace.

P280, Wear protective gloves/eye protection/face protection.

P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P331, Do not induce vomiting.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P337/313, If eye irritation persists: Get medical advice/attention. P362, Take off contaminated clothing and wash before reuse.

P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

P403/235, Store in a well-ventilated place. Keep cool.

P405, Store locked up.

P501, Dispose of contents/container to approved disposal site, in accordance with local

regulations.



Pictograms:

2.3 Other hazards

Other hazards: None

# Section 3. Composition / information on ingredients

#### 3.1 Substances

**Product identifier:** Carrot seed oil; CAS: 8015-88-1

### Contains:

Name	CAS	%	GHS Classification
alpha-Pinene	80-56-8	12.00%	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H303-H315-H317-H410
Geranyl acetate	105-87-3	4.00%	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H315-H317-H411
Caryophyllene oxide	1139-30-6	3.00%	Skin Irrit. 3-Aquatic Acute 2-Aquatic Chronic 2;H316- H411
IbetaBisabolene	495-61-4	2.60%	Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H304-H315-H317





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beta-Pinene	127-91-3	2.50%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315- H317-H410
beta-Farnesene	18794-84-8	2.40%	Skin Irrit. 3-Asp. Tox 1;H304-H316
p-Cymene	99-87-6	1.40%	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 3-Asp. Tox 1- Aquatic Acute 2-Aquatic Chronic 2;H226-H304-H303- H316-H411
Myrcene	123-35-3	1.20%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2A-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2;H226-H304-H315-H319- H400-H411
d-Limonene	5989-27-5	1.20%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315- H317-H410
Camphene	79-92-5	0.70%	Flam. Sol. 1-Acute Tox. 5-Eye Irrit. 2B-Aquatic Acute 1-Aquatic Chronic 1;H228-H313-H320-H410
Geraniol	106-24-1	0.20%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Dam. 1-Eye Irrit. 2A-Skin Sens. 1-Aquatic Acute 3;H227-H303-H315-H317-H318-H319-H402
Terpinolene	586-62-9	0.10%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H304-H227-H303-H317-H316-H410

### Section 4. First-aid measures

# 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### 4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

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

None expected, see Section 4.1 for further information.

# Section 5: Firefighting measures

# 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

# 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.





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### Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

# 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

### 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

# 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

#### Section 8. Exposure controls/personal protection

## 8.1 Control parameters

Workplace exposure limits: Not Applicable

#### **8.2 Exposure Controls**

#### **Eye / Skin Protection**

Wear protective gloves/eye protection/face protection

# **Respiratory Protection**

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.





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### Section 9. Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

Appearance:

Odour:

Not determined

Odour threshold:

Not determined

Flash point: 79.4 °C

Evaporation rate: Not determined Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Product does not present an explosion hazard

Vapour pressure: Not determined Vapour density: Not determined Not determined Relative density: Not determined Solubility(ies): Partition coefficient: n-octanol/water: Not determined **Auto-ignition temperature:** Not determined **Decomposition temperature:** Not determined Viscosity: Not determined **Explosive properties:** Not expected Oxidising properties: Not expected

**9.2 Other information:**None available

### Section 10. Stability and reactivity

### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

### 10.2 Chemical stability:

Good stability under normal storage conditions.

### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.

### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.





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# 10.6 Hazardous decomposition products:

Not expected.

## Section 11. Toxicological information

#### 11.1 Information on toxicological effects

**Acute Toxicity:**Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000

Acute Toxicity Dermal Not Applicable
Acute Toxicity Inhalation Not Available

Skin corrosion/irritation:Skin Corrosion / Irritation Category 2Serious eye damage/irritation:Eye Damage / Irritation Category 2ARespiratory or skin sensitisation:Sensitization - Skin Category 1

Germ cell mutagenicity:Based on available data the classification criteria are not met.Carcinogenicity:Based on available data the classification criteria are not met.Reproductive toxicity:Based on available data the classification criteria are not met.STOT-single exposure:Based on available data the classification criteria are not met.STOT-repeated exposure:Based on available data the classification criteria are not met.

**Aspiration hazard:** Aspiration Hazard Category 1

### Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
alpha-Pinene	80-56-8	3500	Not available	Not available	Not available
p-Cymene	99-87-6	4750	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

12.1 Toxicity:Not available12.2 Persistence and degradability:Not available12.3 Bioaccumulative potential:Not available12.4 Mobility in soil:Not available12.5 Other adverse effects:Not available

### Section 13. Disposal considerations

### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.



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# **Section 14. Transport information**

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	Not Classified	-	-	-	III
IATA	Not Classified	-	-	-	III
ADR,DOT,ADN	Not Classified	-	-	-	III
DOT Bulk Only	UN1993	COMBUSTIBLE LIQUID, N.O.S (CARROT SEED OIL)	3	-	III

**14.5 Environmental hazards:** This is not classified as an environmentally hazardous substance under the

**UN Model Regulations.** 

**14.6 Special precautions for user:** None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Section 15. Regulatory information

None additional

**Section 16. Other information** 

**Concentration % Limits:** EH A2=13.48% EH A3=1.35% EH C2=14.32% EH C3=1.43% EH C4=95.

79% SCI 2=42.55% SCI 3=4.10% SS 1=8.33% AH 1=26.32%

**Total Fractional Values:** EH A2=7.42 EH A3=74.16 EH C2=6.98 EH C3=69.84 EH C4=1.04 SCI

2=2.35 SCI 3=24.38 SS 1=12.00 AH 1=3.80

Key to revisions:

2.1 Classification of the substance or mixture

# Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 5	Acute Toxicity - Oral Category 5
Acute Tox. 5	Acute Toxicity - Dermal Category 5
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Asp. Tox 1	Aspiration Hazard Category 1



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Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
-	
Flam. Liq. 4	Flammable Liquid, Hazard Category 4
Flam. Sol. 1	Flammable Solid, Hazard Category 1
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H400	Very toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
P210	Keep away from heat, sparks, open flames and hot surfaces No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.

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P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Irrit. 3	Skin Corrosion / Irritation Category 3
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.