

SECTION 1 — Identification

Product name	Dragon Fruit
Supplier name	Lone Star Candle Supply, Inc.
Recommended use	Compound used in customer substance/mixture/product
Supplier address	5800 Park Vista Circle, Keller, TX 76244
Supplier phone	1-800-929-9425
Emergency phone (24h)	CHEMTREC 1-800-424-9300 / +1 703-741-5970

SECTION 2 — Hazards Identification
2.1. Classification of the substance or mixture
GHS US classification

Hazard class	Category	Hazard statement
Flammable liquids	Category 4	H227 - Combustible liquid
Acute toxicity (oral)	Category 4	H302 - Harmful if swallowed
Acute toxicity (inhalation:dust,mist)	Category 4	H332 - Harmful if inhaled
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS US):



Signal word (GHS US):	Warning
Hazard statements (GHS US):	H227 - Combustible liquid H302+H332 - Harmful if swallowed or if inhaled H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
Precautionary statements (GHS US):	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell. P302+P352 - If on skin: Wash with plenty of water. P304+P340 - If inhaled: Remove person to fresh air and keep 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. P312 - Call a poison center or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P330 - Rinse mouth.

P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3 — Composition / Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
DIHYDRO MYRCENOL	(CAS-No.) 18479-58-8	10 – 30	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
ALLYL CAPROATE	(CAS-No.) 123-68-2	5 – 10	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 2 (Inhalation:dust,mist), H330
ALLYL HEPTOATE	(CAS-No.) 142-19-8	5 – 10	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311
ETHYL LINALOOL	(CAS-No.) 10339-55-6	5 – 10	Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	(CAS-No.) 63500-71-0	1–5	Eye Irrit. 2A, H319
ALDEHYDE C 16	(CAS-No.) 77-83-8	1–5	Skin Sens. 1B, H317
2-ethyl-3-hydroxypyran-4-one	(CAS-No.) 4940-11-8	1–5	Acute Tox. 4 (Oral), H302
BENZYL SALICYLATE	(CAS-No.) 118-58-1	1–5	Eye Irrit. 2B, H320 Skin Sens. 1B, H317
CYCLAMEN ALDEHYDE	(CAS-No.) 103-95-7	1–5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1B, H317

Full text of hazard classes and H-statements : see section 16

SECTION 4 — First-Aid Measures

4.1. Description of first aid measures

First-aid measures general:	Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact:	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion:	Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact: Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5 — Fire-Fighting Measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard: Combustible liquid.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 — Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7 — Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

SECTION 8 — Exposure Controls / Personal Protection

8.1. Control parameters

CYCLAMEN ALDEHYDE (103-95-7) Not applicable

FLOROL (63500-71-0) Not applicable

ALDEHYDE C 16 (77-83-8)	Not applicable
ALLYL CAPROATE (123-68-2)	Not applicable
ALLYL HEPTOATE (142-19-8)	Not applicable
BENZYL SALICYLATE (118-58-1)	Not applicable
DIHYDRO MYRCENOL (18479-58-8)	Not applicable
ETHYL LINALOOL (10339-55-6)	Not applicable
ETHYL MALTOL (4940-11-8)	Not applicable
8.2. Appropriate engineering controls	
Appropriate engineering controls:	Ensure good ventilation of the work station.
Environmental exposure controls:	Avoid release to the environment.
8.3. Individual protection measures / Personal protective equipment	
Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	[In case of inadequate ventilation] wear respiratory protection.
PPE symbols:	

SECTION 9 — Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Mixture contains one or more component(s) which have the following colour(s): Colourless to light yellow Colourless White Light yellow to colourless On exposure to air: yellow-brown
Odor:	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Floral odour Sweet odour Pleasant odour Characteristic odour Peppermint odour Pine odour Fruity odour Odourless Lemon odour Mild odour Aromatic odour Strong odour Almost odourless Alcohol odour Irritating/pungent odour Almond odour
Odor threshold:	No data available
pH:	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	≈ 74.9 °C
Relative evaporation rate (butyl acetate=1):	No data available
Flammability:	Not applicable.
Vapor pressure:	No data available
Relative vapor density at 20°C:	No data available
Relative density:	No data available
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
No data availableViscosity, kinematic:	No data available

Viscosity, dynamic:	No data available
Explosion limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2. Other information

No additional information available

SECTION 10 — Stability and Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 — Toxicological Information

11.1. Information on toxicological effects

Acute toxicity (oral):	Harmful if swallowed.
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Harmful if inhaled.
ATE US (oral):	1119.773 mg/kg body weight
ATE US (dust, mist):	3.338 mg/l/4h

CYCLAMEN ALDEHYDE (103-95-7)

ATE US (oral)	3810 mg/kg body weight
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ALDEHYDE C 16 (77-83-8)

LD50 oral rat	5470 mg/kg (Rat, Male/female, Weight of evidence, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)
ATE US (oral)	5470 mg/kg body weight

ALLYL CAPROATE (123-68-2)	
LD50 oral rat	218 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	820 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	0.297 mg/l (1 - 8 h, Rat, Male, Experimental value, Inhalation (vapours), 10 day(s))
ATE US (oral)	218 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	0.297 mg/l/4h
ATE US (dust, mist)	0.297 mg/l/4h
ALLYL HEPTOATE (142-19-8)	
ATE US (oral)	218 mg/kg body weight
ATE US (dermal)	810 mg/kg body weight
ATE US (vapors)	3 mg/l/4h
BENZYL SALICYLATE (118-58-1)	
LD50 oral rat	3031 – 3339 mg/kg body weight (EU Method B.1: Acute Toxicity (Oral), Rat, Male/female, Read-across, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (EU Method B.3: Acute toxicity (dermal), 24 h, Rabbit, Male/female, Read-across, Dermal, 14 day(s))
ATE US (oral)	2200 mg/kg body weight
DIHYDRO MYRCENOL (18479-58-8)	
ATE US (oral)	3600 mg/kg body weight
ETHYL LINALOOL (10339-55-6)	
ATE US (oral)	5000 mg/kg body weight
ETHYL MALTOL (4940-11-8)	
LD50 oral rat	1150 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE US (oral)	1150 mg/kg body weight
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
Viscosity, kinematic:	No data available
Symptoms/effects after skin contact:	Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact:	Eye irritation.
SECTION 12 — Ecological Information	
12.1. Toxicity	

Ecology - general:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

ALDEHYDE C 16 (77-83-8)	
LC50 - Fish [1]	4.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
ErC50 algae	36 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

ALLYL CAPROATE (123-68-2)	
LC50 - Fish [1]	0.117 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	2 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	> 4.6 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

BENZYL SALICYLATE (118-58-1)	
LC50 - Fish [1]	1.03 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	1.16 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

CYCLAMEN ALDEHYDE (103-95-7)	
Persistence and degradability	Biodegradability in water: no data available.

FLOROL (63500-71-0)	
Persistence and degradability	Biodegradability in water: no data available.

ALDEHYDE C 16 (77-83-8)	
Persistence and degradability	Not readily biodegradable in water.

ALLYL CAPROATE (123-68-2)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.05 g O ₂ /g substance

BENZYL SALICYLATE (118-58-1)	
Persistence and degradability	Readily biodegradable in water.

DIHYDRO MYRCENOL (18479-58-8)	
Persistence and degradability	Biodegradability in water: no data available.

ETHYL LINALOOL (10339-55-6)	
Persistence and degradability	Biodegradability in water: no data available.

ETHYL MALTOL (4940-11-8)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

CYCLAMEN ALDEHYDE (103-95-7)	
Partition coefficient n-octanol/water (Log Kow)	≈ 3.91
Bioaccumulative potential	No bioaccumulation data available.

FLOROL (63500-71-0)	
Bioaccumulative potential	No bioaccumulation data available.

ALDEHYDE C 16 (77-83-8)	
Partition coefficient n-octanol/water (Log Pow)	2.4 – 2.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
ALLYL CAPROATE (123-68-2)	
BCF - Fish [1]	59.2 – 102.3 l/kg (BCFBAF v3.01, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.191 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BENZYL SALICYLATE (118-58-1)	
BCF - Fish [1]	1170 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Danio rerio, Flow-through system, Fresh water, Read-across, GLP)
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$).
DIHYDRO MYRCENOL (18479-58-8)	
Partition coefficient n-octanol/water (Log Pow)	3.47 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
ETHYL LINALOOL (10339-55-6)	
Bioaccumulative potential	No bioaccumulation data available.
ETHYL MALTOL (4940-11-8)	
Bioaccumulative potential	No bioaccumulation data available.
12.4. Mobility in soil	
FLOROL (63500-71-0)	
Ecology - soil	No (test)data on mobility of the substance available.
ALDEHYDE C 16 (77-83-8)	
Surface tension	59 N/m (19.6 °C, 0.79 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.34 – 2.74 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Low potential for adsorption in soil.
ALLYL CAPROATE (123-68-2)	
Ecology - soil	No (test)data on mobility of the substance available.
BENZYL SALICYLATE (118-58-1)	
Surface tension	69 mN/m (20 °C, 0.004 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.75 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.
DIHYDRO MYRCENOL (18479-58-8)	
Ecology - soil	No (test)data on mobility of the substance available.
12.5. Other adverse effects	
No additional information available	
SECTION 13 — Disposal Considerations	
13.1. Disposal methods	

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14 — Transport Information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15 — Regulatory Information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Name	CAS-No.	%
CYCLAMEN ALDEHYDE	103-95-7	1 – 5%
2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	63500-71-0	1 – 5%
ALDEHYDE C 16	77-83-8	1 – 5%
ALLYL CAPROATE	123-68-2	5 – 10%
ALLYL HEPTOATE	142-19-8	5 – 10%
BENZYL SALICYLATE	118-58-1	1 – 5%
DIHYDRO MYRCENOL	18479-58-8	10 – 30%
ETHYL LINALOOL	10339-55-6	5 – 10%
2-ethyl-3-hydroxypyran-4-one	4940-11-8	1 – 5%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CYCLAMEN ALDEHYDE (103-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

FLOROL (63500-71-0)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

ALDEHYDE C 16 (77-83-8)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

ALLYL CAPROATE (123-68-2)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

ALLYL HEPTOATE (142-19-8)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

BENZYL SALICYLATE (118-58-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

DIHYDRO MYRCENOL (18479-58-8)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

ETHYL LINALOOL (10339-55-6)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

ETHYL MALTOL (4940-11-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the EC Inventory

SECTION 16 — Other Information

Issue date: 04/22/2024

Full text of H-phrases**H227** Combustible liquid**H301** Toxic if swallowed**H302** Harmful if swallowed**H311** Toxic in contact with skin**H315** Causes skin irritation**H317** May cause an allergic skin reaction**H319** Causes serious eye irritation**H320** Causes eye irritation**H330** Fatal if inhaled**H331** Toxic if inhaled**H332** Harmful if inhaled

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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