

Product: **Golden Hour**

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5800 Park Vista Circle
Keller, TX 76244
Ph#1 (800) 929-9425
F#1 (817) 741-0879
Web: www.lonestarcandlesupply.com

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Golden Hour

UFI#

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier: Lone Star Candle Supply, Inc.
5800 Park Vista Circle
Keller, TX 76244
Ph#1 (800) 929-9425
F#1 (817) 741-0879
Web: www.lonestarcandlesupply.com

1.4 Emergency telephone number

1 (817) 741-0876 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
International

2. Hazards Identification

2.1. Classification of the substance or mixture

GHS US Classification

Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	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) :



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Signal word (GHS US)	: Warning
Hazard statements (GHS US)	: H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
Precautionary statements (GHS US)	: P261 - Avoid breathing dust, fume, gas, mist, vapors, spray. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see supplemental first aid instruction on this label) P333+P313 - If skin irritation or rash occurs: Get medical advice or attention. P337+P313 - If eye irritation persists: Get medical advice or attention. P362+P364 - Take off contaminated clothing and wash it before use. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national, and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information is available

2.4. Unknown acute toxicity (GHS US)

Not applicable

3. Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	CAS#	%	GHS US classification
<i>BENZYL BENZOATE</i>	120-51-4	10-30	Acute Tox. 4 (Oral), H302
<i>1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone (Timbersilk)</i>	54464-572	5-10	Skin Irrit. 2, H315 Skin Sens. 1B, H317
<i>LINALOOL</i>	78-70-6	5-10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
<i>2H-pyran-3-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-</i>	63500-71-0	1-5	Eye Irrit. 2A, H319

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3.2. Mixtures

Name	CAS#	%	GHS US classification
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone (Iso E Super)	54464-57-2	1-5	Skin Irrit. 2, H316 Sin Sens. 1B, H317
VANILLIN	121-33-5	1-5	Eye Irrit. 2A, H319
LINALYL ACETATE	115-95-7	1-5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
BENZYL SALICYLATE	118-58-1	1-5	Eye Irrit. 2B, H320 Skin Sens. 1B, H317
2-Ethyl-4-(2,2,4-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	1-5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
LIMONENE	5989-27-5	1-5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
DIHYDRO MYRCENOL	18479-58-8	1-5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336
GERANIOL	106-24-1	0.5-1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

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

4. First-aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measure 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	: Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically

5. Fire-fighting measures**5.1. Suitable (and unsuitable) extinguishing media**Suitable extinguishing media Water Spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing Do not use a heavy water stream.**5.2. Specific hazards arising from the chemical**Fire hazard: No fire hazard.
Explosion hazard: No direct explosion hazard.**5.3. Special protective equipment and precautions for fire-fighters**Firefighting instructions: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.1.1 For non-emergency personnelProtective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray**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".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2 Environmental precautions

Avoid release to the environment

6.3 Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material.

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.

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7. Handling & Storage

7.1. Precautions for safe handling

Additional hazards when processed

: Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling

: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures

: Wash contaminated clothing before reuse. Contaminate 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

Technical measures

: Keep in a cool, well-ventilated place away from heat.

Storage conditions

: Keep cool. Protect from sunlight.

Packaging materials

: Always store product in container of same material as original container.

8. Exposure controls/personal protection

BENZYL BENZOATE (120-51-4)

Not applicable

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Timbersilk) (54464-57-2)

Not applicable

LINALOOL (78-70-6)

Not applicable

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Not applicable

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso E Super) (54464-57-2)

Not applicable

VANILLIN (121-33-5)

Not applicable

LINALYL ACETATE (115-95-7)

Not applicable

BENZYL SALICYLATE (118-58-1)

Not applicable

2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (28219-61-6)

Not applicable

LIMONENE (5989-27-5)

Not applicable

DIHYDRO MYRCENOL (18479-58-8)

Not applicable

GERANIOL (106-24-1)

Not applicable

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8.2 Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure : 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 insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment symbol(s):



9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : No data available
Odor : No data available
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 : $\approx 97.9^{\circ}\text{C}$
Relative evaporation rate (butyl acetate 1) : No data available
Flammability : Not applicable
Vapor pressure : No data available
Relative vapor density at 20°C Solubility : No data available
Relative density : No data available
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) Auto-ignition temperature : No data available
Viscosity, kinematic : No data available
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available

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9.2. Other information

No additional information available

10. Stability & 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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

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

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

BENZYL BENZOATE (120-51-4)

LD50 oral rat : > 2000 mg/kg body weight (OECD 401: Acute Ora Toxicity, Rat, Male/
female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit : > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental
value, Dermal)
ATE US (oral) : 1160 mg/kg body weight

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Timbersilk) (54464-57-2)

LD50 oral rat : ≥ 5000 mg/kg body weight
LD50 dermal rat : ≥ 5000 mg/kg body weight
ATE US (oral) : 5000 mg/kg body weight
ATE US (dermal) : 5000 mg/kg body weight

LINALOOL (78-70-6)

LD50 oral rat : 2790 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male /
female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit : 5610 mg/kg body weight (Equivalent or similar to OECD 402, 24 h,
Rabbit, Experimental value, Dermal, 7 day(s))
ATE US (oral) : 2790 mg/kg body weight
ATE US (dermal) : 5610 mg/kg body weight

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VANILLIN (121-33-5)

LD50 oral rat : 3300 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, 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 14 day(s))
ATE US (oral) : 3300 mg/kg body weight
ATE US (dermal) : 2600 mg/kg body weight

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 : > 3000 mg/kg body weight (EU Method B.3: Acute toxicity (dermal), 24 h, Rabbit, Male/femal, Read-across, Dermal, 14 day(s))
ATE US (oral) : 2200 mg/kg body weight

2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (28219-61-6)

LD50 oral rat : > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, 2 week(s), Rat, Male/female, Experimental value, Oral)
LD50 dermal rat : > 5 ml/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)

LIMONENE (5989-27-5)

LD50 oral rat : > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Female, Read-across, Oral)

GERANIOL (106-24-1)

LD50 oral rat : 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit : > 5000 mg/kg (Rabbit, Experimental value, Dermal)
ATE US (oral) : 3600 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 : No data available
Carcinogenicity : No data available

LIMONENE (5989-27-5)

IARC group : 3 - Not classifiable
Reproductive toxicity : No data available
STOT-single exposure : No data available

DIHYDRO MYRCENOL (18479-58-8)

STOT-single exposure : May cause drowsiness or dizziness
STOT-repeated exposure : No data available

LINALOOL (78-70-6)

NOAEL (dermal,rat/rabbit,90 days) : 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard : No data available
Viscosity, kinematic : No data available.

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Symptoms/effects after inhalation	: None under normal conditions
Symptoms effects after skin contact	: Irritation. May cause an allergic skin reaction
Symptoms/effects after eye contact	: Eye irritation
Symptoms/effects after ingestion	: None under normal conditions.

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.

BENZYL BENZOATE (120-51-4)

LC50-FISH [1] : 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50-Crustacea [1] : 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, FLP)

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Timbersilk) (54464-57-2)

LC50 - Fish [1] : ≈ 1.3 mg/l Bluegill Sunfish
EC50 - Crustacea [1] : ≈ 1.38 mg/l Water Flea
ErC50 algae : ≈ 2.6 mg/l Green Algae

LINALOOL (78-70-6)

LC50 - Fish [1] : 27.8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh Water, Experimental value, GLP)
EC50 - Crustacea [1] : 59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae : 156.7 mg/l (DIN 38412-9, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

VANILLIN (121-33-5)

LC50 - Fish [1] : 57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1] : 36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae : 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

LINALYL ACETATE (115-95-7)

LC50 - Fish [1] : 11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)
EC50 - Crustacea [1] : 15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

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, Static system, Fresh water, Experimental value, GLP)

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (28219-61-6)

LC50 - Fish [1] : 1.1 mg/l (US EPA, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, GLP)
ErC50 algae : 2.5 mg/l (US EPA, 96 h Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)

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LIMONENE (5989-27-5)

LC50 - Fish [1]

: 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)

EC50 - Crustacea [1]

: 0.36 mg/lg (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

GERANIOL (106-24-1)

LC50 - Fish [1]

: 22 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, GLP)

EC50 - Crustacea [1]

: 10.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

ErC50 algae

: 13.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability**BENZYL BENZOATE (120-51-4)**

Persistence and degradability

: Readily biodegradable in water.

LINALOOL (78-70-6)

Persistence and degradability

: Readily biodegradable in water.

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Persistence and degradability

: Biodegradability in water: no data available

VANILLIN (121-33-5)

Persistence and degradability

: Readily biodegradable in water.

LINALYL ACETATE (115-95-7)

Persistence and degradability

: Readily biodegradable in water.

BENZYL SALICYLATE (118-58-1)

Persistence and degradability

: Readily biodegradable in water.

2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-2-yl)-2buten-1-ol (28219-61-5)

Persistence and degradability

: Not readily biodegradable in water.

LIMONENE (5989-27-5)

Persistence and degradability

: Readily biodegradable in water.

ThOD

: 3.29 g O₂/g substance**DIHYDRO MYRCENOL (18479-58-8)**

Persistence and degradability

: Biodegradability in water: no data available

GERANIOL (106-24-1)

Persistence and degradability

: Readily biodegradable in water.

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12.3. Bioaccumulative potential**BENZYL BENZOATE (120-51-4)**

Surface tension : 0.027 N/m (210°C)
Organic Carbon Normalized Adsorption : 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc)
Coefficient (Log Koc) on Soil and on Sewage Sludge using High Performance Liquid
Chromatography (HPLC), Experimental value)
Ecology - soil : Low potential for mobility in soil

LINALOOL (78-70-6)

Surface tension : 8.3 mN/m (20°C, ISO 9101: Surface active agents - Determination of
interfacial tension)
Ecology - soil : No (test)data on mobility of the substance available

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Ecology - soil : No (test)data on mobility of the substance available.

VANILLIN (121-335-)

Organic Carbon Normalized Adsorption : 3.438 (log Koc, Experimental value)
Ecology - soil : Low potential for mobility in soil

LINALYL ACETATE (115-95-7)

Ecology - soil : Adsorbs into the soil

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 : 3.75 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc)
Coefficient (Log Koc) on Soil and on Sewage Sludge using High Performance Liquid
Chromatography (HPLC), Experimental value)
Ecology - soil : Low potential for mobility in soil

2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (28219-61-6)

Organic Carbon Normalised Adsorption : 2.57 (log Koc, Other, QSAR)
Coefficient (Log Koc)

LIMONENE (5989-27-5)

Ecology - soil : Adsorbs into the soul

DIHYDRO MYRCENOL (18479-58-8)

Ecology - soil : No (test)data on mobility of the substance available.

GERANIOL (106-24-1)

Organic Carbon Normalized Adsorption : 1.85 (log Koc, PCKOCWIN v1.66, Calculated value)
Coefficient (Log Koc)
Ecology - soil : Highly mobile in soil

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12.3. Bioaccumulative potential**BENZYL BENZOATE (120-51-4)**

BCF - Fish [1] : 2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow) : 3.97 (Experimental value, 25°C)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

LINALOOL (78-70-6)

Partition coefficient n-octanol/water (Log Pow) : 2.84 (Experimental value, Equivalent or similar to OECD 107, 25°C)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Bioaccumulative potential : No bioaccumulation data available.

VANILLIN (121-335-)

Partition coefficient n-octanol/water (Log Pow) : 1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25°C)

LINALYL ACETATE (115-95-7)

Partition coefficient n-octanol/water (Log Pow) : 3.93 (Experimental value)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

BENCYL 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 ≤ BCF ≤ 5000)

2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (28219-61-6)

BCF - Other aquatic organisms [1] : 667 (Other, QSAR)
Partition coefficient n-octanol/water (Log Pow) : 4.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method 37°C)
Bioaccumulative potential : Potential for bioaccumulation (500 ≤ BCF ≤ 5000)

LIMONENE (5989-27-5)

BCF - Fish [1] : 864.8 - 1022 (Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow) : 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37°C)

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)

GERANIOL (106-24-1)

Partition coefficient n-octanol/water (Log Pow) : 2.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25°C)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

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12.5. Other adverse effects

No additional information available.

13. Disposal considerations

13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

14. Transport information

Department of Transportation (DOT)

In accordance with DOT	
Transport document description (DOT)	: UN3082 Environmentally hazardous substances, liquid, n.o.s. (BENZYL BENZOATE), 9, III
UN-No. (DOT)	: UN3082
Proper Shipping Name (DOT)	: Environmentally hazardous substances, liquid, n.o.s. BENZYL BENZOATE
Class (DOT)	: 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140.
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 9 - Class 9 (Miscellaneous dangerous materials)



DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: G - Identifies PSN requiring a technical name.
DOT Special Provisions (49 CFR 172.102)	: 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.

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IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx)	: 155
DOT Quantity Limitations Passenger aircraft/ rail (49 CFR 173.75)	: No Limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: No Limit
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 171
Other information	: No supplementary information available.

15. Regulatory information

15.1. US Federal regulations

No additional information available.

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.

16. Other information

according to 29 CFR § 1910. 1200, Hazard Communication Standard (HCS 2024)
Revision date : 12/17/2025

Full text of H-phrases:

H226	: Flammable liquid and vapor
H227	: Combustible liquid
H302	: Harmful if swallowed
H304	: May be fatal if swallowed and enters airways
H315	: Causes skin irritation



Product: **Golden Hour**

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H317	: May cause an allergic reaction
H318	: Causes serious eye damage
H319	: Causes serious eye irritation
H320	: Causes eye irritation
H336	: May cause drowsiness or dizziness

This safety data sheet is based on the properties of the material known to Lone Star Candle Supply, Inc. at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Lone Star Candle Supply, Inc. holds no responsibility. This document is not intended for quality assurance purposes.