

Jasmine Tea & Grapefruit Oil

Safety Data Sheet

Date of Issue: 10/19/2018 Revision date: 11/12/2018 Supersedes: 10/19/2018 Version: 1.1

SECTION 1: Identification

Identification

Product form Mixture

Jasmine Tea & Grapefruit Oil Product name

CAS-No. N/A

Recommended use and restrictions on use

No additional information available

Supplier 1.3.

Chemistry Connection 253 Sturgis Road Conway, AR 72034 USA (501) 470-9689

www.chemistryconnection.com

Emergency telephone number

Emergency number Chemtrec - USA: 800-424-9300

SECTION 2: Hazard s identification

Classification of the substance or mixture

GHS-US classification

Skin sensitization, Category 1

Suspected of damaging fertility or the unborn child Reproductive toxicity Category 2

GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US)





May cause an allergic skin reaction

GHS07

GHS08

Signal word (GHS-US)

Hazard statements (GHS-US)

Precautionary statements (GHS-US)

Warning

May cause an allergic skin reaction

Suspected of damaging fertility or the unborn child

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dusVfume/gas/misVvapors/spray.

Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water

If exposed or concerned: Get medical advice/attention.

Specific treatment (see supplemental first aid instruction on this label)

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

Wash contaminated clothing before reuse.

Store locked up.

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

Unknown acute toxicity (GHS US)

Not applicable

Revised 11/12/2018 1/11



SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	GHS-US classification
ORANGE TERPENES	(CAS-No.) 68647-72-3	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B,H317 Asp. Tox. 1, H304
BENZYL SALICYLATE	(CAS-No.) 118-58-1	1 - 5	Eye Irrit. 2,H319 Skin Sens. 1B,H317 Aquatic Chronic 3, H412
omega-Pentadecalactone	(CAS-No.) 106-02-5	1 - 5	Skin Sens. 1B,H317 Aquatic Chronic 2, H411
LINALOOL	(CAS-No.) 78-70-6	1 - 5	Flam. Liq. 4,H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
GERANYL ACETATE	(CAS-No.) 105-87-3	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1, H317
PHENYLETHYL ALCOHOL	(CAS-No.) 60-12-8	1 - 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
GRAPEFRUIT Oil	(CAS-No.) 8016-20-4	0.1 - 1	Flam. Liq. 3,H226 Skin Irril. 2, H315 Skin Sens. 1,H317 Asp. Tox. 1, H304
p-t-Butyl-a-methylhydrocinnamic aldehyde	(CAS-No.) 80-54-6	0.1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation:vapour), H330 Skin Irrit. 2,H315 Skin Sens. 1B, H317 Repr. 2, H361
CITRONELLOL	(CAS-No.) 106-22-9	0.1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2,H319 Skin Sens. 1, H317
LINALYL ACETATE	(CAS-No.) 115-95-7	0.1 - 1	Flam. Liq. 4,H227 Skin Irrit. 2,H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
PETITGRAIN OIL	(CAS-No.) 8014-17-3	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1, H317
GERANIOL	(CAS-No.) 106-24-1	0.1 - 1	Skin Irrit. 2,H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
MANDARIN OIL	(CAS-No.) 8008-31-9	0.1 -1	Flam. Liq. 3, H226 Skin Irrit. 2,H315 Skin Sens. 1, H317 Asp. Tox. 1,H304

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 IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

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 eyes with water as a precaution.

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 skin contact

May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Revised 11/12/2018 2/11



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

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

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. 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".

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

Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective

nandle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dusl{fume/gas/mist/vapors/spray.

Hygiene measures

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CITRONELLOL (106-22-9)

Not applicable

omega-Pentadecalactone (106-02-5)

Not applicable

GERANIOL (106-24·1)

Not applicable

GERANYL ACETATE (105-87-3)

Not applicable

p-t-Butyl-a-methylhydrocinnamic aldehyde (80-54-6)

Not applicable

LINALOOL (78-70-6)

Not applicable

Revised 11/12/2018 3/11



BENZYL SALICYLATE (118-58-1)

Not applicable

LINALYL ACETATE (115-95-7)

Not applicable

ORANGE TERPENES (68647-72-3)

Not applicable

PHENYLETHYL ALCOHOL (60-12-8)

Not applicable

PETITGRAIN OIL (8014-17-3)

Not applicable

GRAPEFRUIT OIL (8016-20-4)

Not applicable

MANDARIN OIL (8008-31-9)

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:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Color PALE YELLOW TO YELLOW

Odor CHARACTERISTIC, MATCHING RETAINER SAMPLE

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 98°C

Relative evaporation rate (butyl acetate=1)

Flammability (solid, gas)

Vapor pressure

Relative vapor density at 20 °C

Relative density

No data available

Solubility Insoluble

Log Pow No data available

Revised 11/12/2018 4/11



Auto-ignition temperature

Decomposition temperature

Viscosity, kinematic

Viscosity, dynamic

Explosion limits

No data available

9.2. Other Information

1.462 (1.452 - 1.472)

Refractive index

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

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 products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Not classified

CITRONELLOL (106-22-9)

LD50 oral rat 3450 mg/kg (Rat, Inconclusive, insufficient data, Oral)
LD50 dermal rabbit 2650 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal)

ATE US (oral) 3450 mg/kg body weight
ATE US (dermal) 2650 mg/kg body weight

GERANIOL (106-24-1)

LD50 oral rat

3600 mg/kg body weight (Rat; Experimental value)

> 5000 mg/kg body weight (Rabbit; Experimental value)

ATE US (oral) 3600 mg/kg body weight

GERANYL ACETATE (105-87-3)

LD50 oral rat 6300 mg/kg (Rat, Oral)
ATE US (oral) 6300 mg/kg body weight

p-t-Butyl-a-methylhydrocinnamic aldehyde (80-54-6)

LD50 oral rat 1390 mg/kg (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value,

Oral, 14 day(s))

LD50 dermal rat > 2000 mg/kg (Equivalent or similar to OECD 402, Rat, Male/female, Experimental value,

Dermal, 14 day(s))

LC50 inhalation rat (mg/l) > 0.18 mg/l (IRT (inhalation risk test), 7 h, Rat, Male/female, Experimental value,

Inhalation (vapours), 14 day(s))

ATE US (oral) 1390 mg/kg body weight

ATE US (vapors) 0.05 mg/l/4h

LINALOOL (78-70-6)

 LD50 oral rat
 2790 mg/kg (Rat)

 LD50 dermal rat
 5610 mg/kg (Rat)

Revised 11/12/2018 5/11



LINALOOL (78-70-6)	
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	5610 mg/kg body weight
BENZVL SALICYLATE (118-58-1)	
LD50 oral rat	2227 mg/kg (Rat)
LD50 dermal rabbit	14150 mg/kg (Rabbit)
ATE US (oral)	2200 mg/kg body weight
ORANGE TERPENES (68647-72-3)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)
PHENYLETHYL ALCOHOL (60-12-8)	
LD50 oral rat	> 1790 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 808 mg/kg (Rabbit, Dermal)
LD50 inhalation rat (mg/l)	> 1.4 mg/l (4 h, Rat, Inhalation)
ATE US (oral)	500 mg/kg body weight
Chini finnih-ti C	NI-4 -I:CI
Skin corrosion/irritation Serious	Not classified
eye damage/irritation	Not classified
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
ORANGE TERPENES (68647-72-3)	
IARC group	2. Net alegatifiable
IANG group	3 - Not classifiable
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated	Suspected of damaging fertility or the unborn child.
Reproductive toxicity Specific target organ toxicity - single exposure	Suspected of damaging fertility or the unborn child. Not classified
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	Suspected of damaging fertility or the unborn child. Not classified Not classified
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	Suspected of damaging fertility or the unborn child. Not classified Not classified
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction.
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general CITRONELLOL (106-22-9)	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general CITRONELLOL (106-22-9) LC50 fish 1	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 10 - 22 mg/l (96 h, Leuciscus idus)
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general CITRONELLOL (106-22-9) LC50 fish 1 EC50 Daphnia 1	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general CITRONELLOL (106-22-9) LC50 fish 1 EC50 Daphnia 1 GERANIOL (106-24-1)	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 10 - 22 mg/l (96 h, Leuciscus idus) 17 mg/l (48 h, Daphnia magna)
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general CITRONELLOL (106-22-9) LC50 fish 1 EC50 Daphnia 1 GERANIOL (106-24-1) LC50 fish 1	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 10 - 22 mg/l (96 h, Leuciscus idus)
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Symptoms/effects after skin contact SECTION 12: Ecological information 12.1. Toxicity Ecology - general CITRONELLOL (106-22-9) LC50 fish 1 EC50 Daphnia 1 GERANIOL (106-24-1)	Suspected of damaging fertility or the unborn child. Not classified Not classified Not classified May cause an allergic skin reaction. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 10 - 22 mg/l (96 h, Leuciscus idus) 17 mg/l (48 h, Daphnia magna)

Revised 11/12/2018 6/11



GERANYL ACETATE		
(105-87-3) EC50 Daphnia 1	14.1 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
p-t-Butyl-a-methylhydroclnnamic aldehy	rde (80-54-6)	
LC50 fish 1	2.04 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Dania rerio, Flow-through system, Fresh water, Experimental value, GLP)	
EC50 Daphnia 1	10.7 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)	
LINALOOL (78-70-6)		
EC50 Daphnia 1	59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)	
EC50 other aquatic organisms 1	>= 100 mg/l (3 h; Activated sludge)	
LC50 fish 2 Threshold	27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)	
limit algae 1	88.3 mg/l (EC50; 96 h)	
LINALVI ACETATE (445 OF 7)		
LC50 fish 1	, 11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)	
EC50 Daphnia 1	15 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyphilius carpio) 15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)	
·	13 mg/1 (OECD 202. Daprima sp. Acute immobilisation rest, 46 n, Daprima magna)	
ORANGE TERPENES (68647-72-3)		
LC50 fish 1	720 µg/1 (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)'.	
EC50 Daphnia 1	0.36 mg/I (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
PHENYLETHYL ALCOHOL (60-12-8)		
LC50 fish 1	220 - 260 mg/l (96 h, Leuciscus idus)	
EC50 Daphnia 1	287.17 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)	
2.2. Persistence and degradability CITRONELLOL (106-22-9)		
Persistence and degradability	Readily biodegradable in water.	
Chemical oxygen demand (COD)	2.05 g 02 lg substance	
ThOD	2.961 g 02 <i>lg</i> substance	
GERANIOL (106-24-1)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	2.9 g 02 /g substance	
GERANYL ACETATE (105-87-3)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	2.6 g 02 /g substance	
p-t-Butyl-a-methylhydrocinnamic aldehy Persistence and degradability		
	Readily blodegradable in water.	
LINALOOL (78-70-6)	B #1:1	
Persistence and degradability	Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.531 g 02 <i>lg</i> substance	
Chemical oxygen demand (COD)	2.808 g 02 <i>lg</i> substance	
BENZYL SALICYLATE (118-58-1)		
Persistence and degradability	Biodegradability in water: no data available.	
LINALYL ACETATE (115-95-7)		
Persistence and degradability ORANGE	Readily biodegradable in water.	
TERPENES (68647-72-3)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	3.29 g 02 <i>lg</i> substance	
PHENYLETHYL ALCOHOL (60-12-8)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.45 g 02 /g substance	
	1.45 g 02 <i>lg</i> substance	

Revised 11/12/2018 7/11



PHENYLETHYL ALCOHOL (60-12-8)	
ThOD	2.6 g O ₂ /g substance
BOD (% of ThOD)	0.558
12.3. Bioaccumulative potential	
CITRONELLOL (106-22-9)	
Log Pow	3.41 - 3.91
GERANIOL (106-24-1)	
Bioaccumulative potential	No bioaccumulation data available.
GERANYL ACETATE (105-87-3)	
BCF other aquatic organisms 1	1500 (Estimated value)
Log Pow	4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
p-t-Butyl-α-methylhydrocinnamic aldeh	yde (80-54-6)
Log Pow	4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
LINALOOL (78-70-6)	
Log Pow	2.84 - 3.145
Bioaccumulative potential	Bioaccumable.
BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)
LINALYL ACETATE (115-95-7)	
Log Pow	3.93 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
ORANGE TERPENES (68647-72-3)	
BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
PHENYLETHYL ALCOHOL (60-12-8)	
Log Pow	1.38 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2.4. Mobility in soil	
GERANYL ACETATE (105-87-3)	1
Log Koc	3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology-soil	Low potential for mobility in soil.

GENANTE ACETATE (103-07-3)	The state of the s	
Log Koc	3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology-soil	Low potential for mobility in soil.	
p-t-Butyl-a-methylhydrocinnamic al	dehyde (8ρ-54-6)	
Log Koc	3.11 (log Koc, PCKOCWIN v1.66, Calculated value)	
Ecology - soil	Low potential for mobility in soil.	
LINALYL ACETATE (115-95-7)		
Ecology-soil	Adsorbs into the soil.	
ORANGE TERPENES		
(68647-72-3) Ecology - soil	Adsorbs into the soil.	

12.5. Other adverse effects

No additional information available

Revised 11/12/2018 8/11



SECTION 13: Disposal considerations

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 applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Fegeral regulations

CITRONELLOL (106-22-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
omega-Pentadecalactone (106-02-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
GERANIOL (106-24-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
GERANYL ACETATE (105-87-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory p-
t-Butyl-a-methylhydrocinnamic aldehyde (80-54-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LINALOOL (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

BENIYL SALICYLATE (118-58-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LINALYL ACETATE (115-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ORANGE TERPENES (68647-72-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PHENYLETHYL ALCOHOL (60-12-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PETITGRAIN OIL (8014-17-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

GRAPEFRUIT OIL (8016-20-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

MANDARIN OIL (8008-31-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations **CANADA**

Revised 11/12/2018 9/11



CITRONELLOL (106-22-9)

Listed on the Canadian DSL (Domestic Substances List)

omega-Pentadecalactone (106-02-5)

Listed on the Canadian DSL (Domestic Substances List)

GERANIOL (106-24-1)

Listed on the Canadian DSL (Domestic Substances List)

GERANYL ACETATE (105-87-3)

Listed on the Canadian DSL (Domestic Substances List)

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)

Listed on the Canadian DSL (Domestic Substances List)

LINALOOL (78-70-6)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL SALICYLATE (118-58-1)

Listed on the Canadian DSL (Domestic Substances List)

LINALYL ACETATE (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

ORANGE TERPENES (68647-72-3)

Listed on the Canadian DSL (Domestic Substances List)

PHENYLETHYL ALCOHOL (60-12-8)

Listed on the Canadian DSL (Domestic Substances List)

PETITGRAIN OIL (8014-17-3)

Listed on the Canadian DSL (Domestic Substances List)

GRAPEFRUIT OIL (8016-20-4)

Listed on the Canadian DSL (Domestic Substances List)

MANDARIN OIL (8008-31-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING:

This product can expose you to estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This product can expose you to myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Revision date 11/12/2018

Revised 11/12/2018 10/11



Full text of H-phrases:	
H226	Flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H361	Suspected of damaging fertility or the unborn child
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS US (GHS HazCom 2012)

This infonnation is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Revised 11/12/2018 11/11