

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 09/28/2023 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: LEMON LIME SODA SOLVENT FREE TERPENE FLAVOR
Product code	: TPBL239
1.2. Recommended use and restrictions	on use
1.3. Supplier	
EXTRACT CONSULTANTS, LLC. TERPENES - FLAVORS - BASES PO BOX 11433, DENVER, CO 80211 www.extractconsultants.com INFORMATION: 1-888-541-9089	
1.4. Emergency telephone number	
Emergency number	: CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300 CCN 13010
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or m	ixture
GHS US classification	
Flammable liquids Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Skin sensitization, Category 1 Reproductive toxicity Category 2 Specific target organ toxicity (repeated exposure) Category 2 Aspiration hazard Category 1 2.2. GHS Label elements, including prece	May be fatal if swallowed and enters airways
GHS US labeling	autionary statements
Hazard pictograms (GHS US)	
	GHS02 GHS07 GHS08
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	 Flammable liquid and vapor May be fatal if swallowed and enters airways Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation Suspected of damaging fertility or the unborn child May cause damage to organs through prolonged or repeated exposure
Precautionary statements (GHS US)	 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling.
09/28/2023	Contaminated work clothing must not be allowed out of the workplace. Page 1 EN (English US) Page 1

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Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center or doctor. If on skin: Wash with plenty of water. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Specific treatment (see supplemental first aid instruction on this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. In case of fire: Use media other than water to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

2.3.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	GHS US classification
BETA-PINENE*	(CAS-No.) 127-91-3	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LINALOOL	(CAS-No.) 78-70-6	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
MYRCENE	(CAS-No.) 123-35-3	10 – 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
L-ALPHA-PINENE	(CAS-No.) 7785-26-4	10 – 25	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LIMONENE	(CAS-No.) 5989-27-5	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
CITRAL	(CAS-No.) 5392-40-5	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT RE 2, H373
ALLYL HEXANOATE	(CAS-No.) 123-68-2	1 – 5	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapour), H331
GAMMA-TERPINENE	(CAS-No.) 99-85-4	1 – 5	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304
EUCALYPTOL	(CAS-No.) 470-82-6	1 – 5	Flam. Liq. 3, H226 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
P-CYMENE	(CAS-No.) 99-87-6	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapour), H331 Repr. 2, H361 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 measure	S
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all 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	: Do not induce vomiting. Call a physician immediately.
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.
Symptoms/effects after ingestion	: Risk of lung edema.
4.3. Immediate medical attention an	d special treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measur	es
5.1. Suitable (and unsuitable) exting	uishing media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the	e chemical
Fire hazard	: Flammable liquid and vapor.

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Reactivit	ty :	Flammable liquid and vapor.	
5.3.	Special protective equipment and pred	cautions for fire-fighters	
Protectio	on during firefighting :	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	
SECTI	ON 6: Accidental release measu	ires	
6.1.	Personal precautions, protective equi	pment and emergency procedures	
6.1.1.	For non-emergency personnel		
Emerger	ncy procedures :	Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.	
6.1.2.	For emergency responders		
Protectiv	re 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 re	lease 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 in	formation :	Dispose of materials or solid residues at an authorized site.	
6.4.	Reference to other sections		
For furth	er information refer to section 13.		
SECTI	ON 7: Handling and storage		
7.1.	Precautions for safe handling		
Precauti	ons for safe handling :	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe 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	
Technica	al measures :	Ground/bond container and receiving equipment.	
Storage	conditions :	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

LEMON LIME SODA SOLVENT FREE TERPENE FL	AVOR
No additional information available	
LIMONENE (5989-27-5)	
No additional information available	
EUCALYPTOL (470-82-6)	
No additional information available	
BETA-PINENE* (127-91-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	β-Pimene
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023

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GAMMA-TERPINENE (99-85-4)	
No additional information available	
P-CYMENE (99-87-6)	
No additional information available	
LINALOOL (78-70-6)	
No additional information available	
CITRAL (5392-40-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Citral
ACGIH OEL TWA [ppm]	5 ppm (IFV - Inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023
ALLYL HEXANOATE (123-68-2)	
No additional information available	
MYRCENE (123-35-3)	
No additional information available	
L-ALPHA-PINENE (7785-26-4)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls

Environmental exposure controls

- : Ensure good ventilation of the work station.
- : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

8.3.

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.



SECTION 9: Physical an	d chemical properties	
9.1. Information on basic	physical and chemical properties	
Physical state	: Liquid	
Color	: COLORLESS TO YELLOW	
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: Not applicable	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: 43 °C	
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Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.8527 (0.8427 – 0.8627)
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, 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

: 1.46945 (1.45945 - 1.47945)

SECTION 10: Stability and reactivity

10.1. Reactivity

Refractive index

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Flammable liquid and vapor.

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 informatic	n
11.1. Information on toxicological effects	
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
LIMONENE (5989-27-5)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))
EUCALYPTOL (470-82-6)	
LD50 oral rat	4500 mg/kg body weight (OECD 401: Acute Oral Toxicity, 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, 15 day(s))
ATE US (oral)	2480 mg/kg body weight
BETA-PINENE* (127-91-3)	
LD50 oral rat	4700 mg/kg (Rat, Oral)
ATE US (oral)	4700 mg/kg body weight
GAMMA-TERPINENE (99-85-4)	
ATE US (oral)	3650 mg/kg body weight

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P-CYMENE (99-87-6)	
LD50 oral rat	4750 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 9.7 mg/l (5 h, Rat, Experimental value, Inhalation)
ATE US (oral)	4750 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	9.7 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
LINALOOL (78-70-6)	
ATE US (oral)	2790 mg/kg body weight
CITRAL (5392-40-5)	
LD50 oral rat	≈ 6800 mg/kg body weight Animal: rat
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Remarks on results: other:
ALLYL HEXANOATE (123-68-2)	
LD50 dermal rabbit	820 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 700 - 940
ATE US (oral)	300 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
MYRCENE (123-35-3)	
LD50 oral rat	> 11390 mg/kg body weight Animal: rat
LD50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
L-ALPHA-PINENE (7785-26-4)	
ATE US (oral)	500 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

CITRAL (5392-40-5)	
NOAEL (chronic,oral,animal/male,2 years)	60 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:
MYRCENE (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
EUCALYPTOL (470-82-6)	
NOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Non-rodents)
CITRAL (5392-40-5)	
LOAEC (inhalation,rat,gas,90 days)	68 ppm Animal: rat, Animal sex: female
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100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
34 ppm Animal: rat, Animal sex: female
60 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
May cause damage to organs through prolonged or repeated exposure.
250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
: May be fatal if swallowed and enters airways.
: No data available
: Irritation. May cause an allergic skin reaction.
: 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.

LIMONENE (5989-27-5)	
LC50 - Fish [1]	720 μg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, GLP)
LC50 - Fish [2]	702 μg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna
EUCALYPTOL (470-82-6)	
LC50 - Fish [1]	57 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
BETA-PINENE* (127-91-3)	
LC50 - Fish [1]	0.557 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Weight of evidence, Other isomer)
ErC50 algae	0.826 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, Other isomer)
P-CYMENE (99-87-6)	
LC50 - Fish [1]	48 mg/l (EPA OPPTS 850.1075, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value)
EC50 - Crustacea [1]	3.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, GLP)
CITRAL (5392-40-5)	
LC50 - Fish [1]	6.78 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	6.8 mg/l Test organisms (species): Daphnia magna
ALLYL HEXANOATE (123-68-2)	
LC50 - Fish [1]	0.117 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	2 mg/l Test organisms (species): Daphnia magna

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MYRCENE (123-35-3)		
EC50 - Crustacea [1] 1.47 mg/l Test organisms (species): Daphnia magna		
12.2. Persistence and degradability		
LIMONENE (5989-27-5)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	3.29 g O ₂ /g substance	
EUCALYPTOL (470-82-6)		
Persistence and degradability Readily biodegradable in water.		
BETA-PINENE* (127-91-3)		
Persistence and degradability	istence and degradability Readily biodegradable in water.	
P-CYMENE (99-87-6)		
Persistence and degradability	Readily biodegradable in water.	

12.3. Bioaccumulative potential

LIMONENE (5989-27-5)		
BCF - Fish [1]	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \le Log Kow \le 5$).	
EUCALYPTOL (470-82-6)		
BCF - Other aquatic organisms [1]	112 I/kg (Literature study, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	3.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
BETA-PINENE* (127-91-3)		
BCF - Fish [1]	1125 l/kg (BCFBAF v3.01, Pisces, Fresh water, QSAR, Other isomer)	
Partition coefficient n-octanol/water (Log Pow)	4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \le Log \text{ Kow} \le 5$).	
P-CYMENE (99-87-6)		
Partition coefficient n-octanol/water (Log Pow)	4.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \le Log \text{ Kow} \le 5$).	

12.4. Mobility in soil

LIMONENE (5989-27-5)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for mobility in soil.
EUCALYPTOL (470-82-6)	
Surface tension	61.5 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.33 (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 adsorption in soil.
BETA-PINENE* (127-91-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.009 – 3.836 (log Koc, Calculated value, Other isomer)
Ecology - soil	Low potential for mobility in soil.
P-CYMENE (99-87-6)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.17 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for mobility in soil.

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	S
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Flammable vapors may accumulate in the container.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description (DOT)	: UN1197 Extracts, flavoring, liquid (Regulated for Bulk only), 3, III
UN-No.(DOT)	: UN1197
Proper Shipping Name (DOT)	: Extracts, flavoring, liquid
	(Regulated for Bulk only)
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) Hazard labels (DOT)	: III - Minor Danger : 3 - Flammable liquid
	JANE AND
	3
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the
	bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this
	subchapter are applicable. 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).
	T2 - 1.5 178.274(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.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail	: 60 L
(49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49	· 2201
CFR 175.75)	
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	: 127
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport document description (TDG)	: UN1197 EXTRACTS, FLAVOURING, LIQUID (Regulated for Bulk only), 3, III
UN-No. (TDG)	: UN1197
Proper Shipping Name (TDG)	: EXTRACTS, FLAVOURING, LIQUID
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Packing group (TDG)	: III - Minor Danger
Explosive Limit and Limited Quantity Index	: 5L
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Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Transport by sea	
Transport document description (IMDG)	: UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III
UN-No. (IMDG)	: 1197
Proper Shipping Name (IMDG)	: EXTRACTS, FLAVOURING, LIQUID
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 1197 Extracts, liquid, 3, III
UN-No. (IATA)	: 1197
Proper Shipping Name (IATA)	: Extracts, liquid
Class (IATA)	: 3 - Flammable Liquids

Packing group (IATA) : III - Low danger

SECTION 15: Regulatory information

15.1. US Federal regulations

ALLYL HEXANOATE (123-68-2)

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

15.2. International regulations

CANADA

No additional information available

EUCALYPTOL (470-82-6)
Listed on the Canadian DSL (Domestic Substances List)
BETA-PINENE* (127-91-3)
Listed on the Canadian DSL (Domestic Substances List)
GAMMA-TERPINENE (99-85-4)
Listed on the Canadian DSL (Domestic Substances List)
P-CYMENE (99-87-6)
Listed on the Canadian DSL (Domestic Substances List)
LINALOOL (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
CITRAL (5392-40-5)
Listed on the Canadian DSL (Domestic Substances List)
ALLYL HEXANOATE (123-68-2)
Listed on the Canadian DSL (Domestic Substances List)
MYRCENE (123-35-3)
Listed on the Canadian DSL (Domestic Substances List)
L-ALPHA-PINENE (7785-26-4)
Listed on the Canadian NDSL (Non-Domestic Substances List)
EU-Regulations

No additional information available

National regulations

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EUCALYPTOL (470	0-82-6)	
	States TSCA (Toxic Substances Contro xican National Inventory of Chemical Su	
BETA-PINENE* (12	7-91-3)	
	I States TSCA (Toxic Substances Contro xican National Inventory of Chemical Su	
GAMMA-TERPINE	NE (99-85-4)	
	States TSCA (Toxic Substances Contro xican National Inventory of Chemical Sul	
P-CYMENE (99-87-	6)	
	States TSCA (Toxic Substances Contro xican National Inventory of Chemical Su	
LINALOOL (78-70-	6)	
	States TSCA (Toxic Substances Contro xican National Inventory of Chemical Sul	
CITRAL (5392-40-5)	
	States TSCA (Toxic Substances Contro xican National Inventory of Chemical Sul	
MYRCENE (123-35	-3)	
Listed on the United	ernational Agency for Research on Canco I States TSCA (Toxic Substances Contro xican National Inventory of Chemical Sul	l Act) inventory - Status: Active
L-ALPHA-PINENE	(7785-26-4)	
Listed on the United	States TSCA (Toxic Substances Contro	l Act) inventory - Status: Active
5.3. US State regul		
🗥 WARNING:	This product can expose you to toluen reproductive harm. For more informati	e, which is known to the State of California to cause birth defects or other on go to www.P65Warnings.ca.gov.
	This product can expose you to myrce go to www.P65Warnings.ca.gov.	ne, which is known to the State of California to cause cancer. For more information
Component		State or local regulations
P-CYMENE(99-87-6		U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
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
H331	Toxic if inhaled
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

This information 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.