

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
 Product name : BLUEBERRY SOLVENT FREE TERPENE FLAVOR
 CAS-No. : N/A
 Product code : TPBL114
 Product group : Trade product

1.2. Recommended use and restrictions on use

No additional information available

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 identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids Category 3	H226	Flammable liquid and vapour
Acute toxicity (oral) Category 4	H302	Harmful if swallowed
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Skin sensitization, category 1B	H317	May cause an allergic skin reaction
Aspiration hazard Category 1	H304	May be fatal if swallowed and enters airways

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H226 - Flammable liquid and vapour
 H302 - Harmful if swallowed
 H304 - May be fatal if swallowed and enters airways
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction

Precautionary statements (GHS CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 - Keep container tightly closed.
 P240 - Ground/bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting equipment
 P242 - Use only non-sparking tools.
 P243 - Take action to prevent static discharges.
 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.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
 P302+P352 - IF ON SKIN: Wash with plenty of water.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
 P321 - Specific treatment (see supplemental first aid instruction on this label)
 P330 - Rinse mouth.

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P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it 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
P405 - Store locked up.
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

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
ALPHA PINENE		(CAS-No.) 7785-26-4	>= 50	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
BETA PINENE		(CAS-No.) 18172-67-3	5 - 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LINALOOL		(CAS-No.) 78-70-6	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
BETA CARYOPHYLLENE		(CAS-No.) 87-44-5	1 - 5	Skin Sens. 1B, H317 Asp. Tox. 1, H304
α -Amylcinnamaldehyde		(CAS-No.) 122-40-7	1 - 5	Skin Sens. 1B, H317
GERANYL ACETATE	2,6-dimethyl-2,6-octadien-8-yl ethanoate, trans- / 2,6-dimethyl-2,6-octadiene-8-yl acetate, trans / 2,6-octadien-1-ol, 3,7-dimethyl-, acetate, (2E)- / 2,6-octadien-1-ol, 3,7-dimethyl-, acetate, (E)- / 2,6-octadien-1-ol, 3,7-dimethyl-, acetate, trans- / 3,7-dimethyl-2,6-octadien-1-ol, acetate, trans- / 3,7-dimethyl-2,6-octadien-1-yl acetate, trans- / 3,7-dimethyl-2,6-octadienyl acetate, trans- / 3,7-dimethyl-2-trans, 6-octadienyl acetate / 3,7-dimethyl-2,6-octadien-1-yl-acetate, trans / 3,7-dimethyl-trans-2,6-octadien-1-yl-acetate, mixture of isomers / acetic acid, geraniol ester, trans / bay pine (oyster) oil, trans / beta-geranyl acetate / FEMA number 2509 / geraniol acetate, trans / geranyl acetate / geranyl acetate, trans- / geranyl ethanoate, trans / trans-, geranyl ethanoate / trans-2,6-dimethyl-2,6-octadien-8-yl ethanoate / trans-3,7-dimethyl-2,6-octadien-1-ol, acetate / trans-3,7-dimethyl-2,6-octadien-1-yl acetate / trans-3,7-dimethyl-2,6-octadienyl acetate / trans-3,7-dimethyl-2,6-octadienyl acetate / trans-3,7-dimethyl-2,6-octadienyl acetate	(CAS-No.) 105-87-3	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
CAMPHENE	2,2-dimethyl-3-methylenebicyclo(2.2.1)heptane / 2,2-dimethyl-3-methylenenorborane / 2,2-dimethyl-3-methylenenorbornane / 3,3-dimethyl-2-methylenenorbornane / 3,3-dimethyl-2-methylenenorcamphane / 3,3-dimethyl-2-methylenenorcamphane / 3,3-dimethyl-2-methylenenorcamphane / bicyclo(2.2.1)heptane, 2,2-dimethyl-3-methylene- / camphene / camphene, dl-form / FEMA No 2229	(CAS-No.) 79-92-5	1 - 5	Flam. Sol. 2, H228 Eye Irrit. 2B, H320

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
ETHYL ISOVALERATE		(CAS-No.) 108-64-5	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315
ISOAMYL BUTYRATE		(CAS-No.) 106-27-4	0.1 - 1	Flam. Liq. 3, H226
ISOAMYL ISOVALERATE		(CAS-No.) 659-70-1	0.1 - 1	Flam. Liq. 4, H227
4-(p-Hydroxyphenyl)-2-butanone	1-(para-hydroxyphenyl)-3-butanone / 1-(p-hydroxyphenyl)-3-butanone / 2-butanone, 4-(4-hydroxyphenyl)- / 2-butanone, 4-(para-hydroxyphenyl)- / 2-butanone, 4-(p-hydroxyphenyl)- / 4-(para-hydroxyphenyl)-2-butanone / 4-(p-hydroxyphenyl)-2-butanone / FEMA N. 2588 / frambinone / oxyphenalon / para-hydroxybenzyl acetone / p-hydroxybenzyl acetone / raspberry keton / raspberry ketone / rheosmin	(CAS-No.) 5471-51-2	0.1 - 1	Acute Tox. 4 (Oral), H302
ACETIC ACID		(CAS-No.) 64-19-7	0.1 - 1	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
BUTYRIC ACID		(CAS-No.) 107-92-6	0.1 - 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
3,7-Dimethyl-1,3,6-octatriene		(CAS-No.) 13877-91-3	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Asp. Tox. 1, H304
ORANGE TERPENES	(+)-1-methyl-4-isopropenyl-1-cyclohexene / (+)-4-isopropenyl-1-methylcyclohexene / (+)-cajuputene / (+)-carvene / (+)-citrene / (+)-para-mentha-1,8-diene / (+)-p-mentha-1,8-diene / (+)-R-limonene / (R)-(+)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-(+)-limonene / (R)-1-methyl-4-(1-methylethenyl)cyclohexene / (R)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-p-mentha-1,8-diene / 1,8-menthadiene, D- / 1-methyl-4-(1-methylethenyl)cyclohexene, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (theta)- / cyclohexene, 4-isopropenyl-1-methyl- / D-(+)-limonene / dextro-limonene / dextro-para-mentha-1,8-diene / d-limonene / D-para-mentha-1,8-diene / D-p-mentha-1,8-diene / limonene, (R)-(+)- / limonene, D-(+)- / limonene, dextro- / para-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, D- / refchole	(CAS-No.) 68647-72-3	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
METHYL ANTHRANILATE		(CAS-No.) 134-20-3	< 0.1	Eye Irrit. 2A, H319

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 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 eyes with water as a precaution.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures general : 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 ingestion : Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Fire hazard : Flammable liquid and vapour.

5.4. 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

No additional information available

6.2. Methods and materials 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.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

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

Technical 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

No additional information available

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 insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Appearance	: No data available
Color	: Mixture contains one or more component(s) which have the following colour(s): White Colourless to light yellow Colourless to white Colourless
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: Fruity odour Lemon odour Mild odour Camphor odour Sweet odour Floral odour
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 34 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative density	: 0.865 (0.855 - 0.875)
Solubility	: Insoluble.
Log Pow	: No data available
Explosion limits	: No data available

9.2. Other information

Refractive index : 1.469 (1.459 - 1.479)

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: Flammable liquid and vapour.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
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)	: Not classified

ATE CA (oral)	667.886 mg/kg body weight
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OXYPHENYLON, NATURAL (5471-51-2)	
LD50 oral rat	1320 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE CA (oral)	1320 mg/kg body weight

ACETIC ACID NATURAL (64-19-7)	
LD50 oral	3540 mg/kg body weight
LD50 dermal	1100 mg/kg body weight
ATE CA (oral)	3540 mg/kg body weight
ATE CA (Dermal)	1100 mg/kg body weight

PINENE ALPHA, NATURAL (7785-26-4)	
LD50 oral	500 mg/kg body weight
ATE CA (oral)	500 mg/kg body weight

AMYL CINNAMIC ALDEHYDE NATURAL (122-40-7)	
LD50 oral	3730 mg/kg body weight

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AMYL CINNAMIC ALDEHYDE NATURAL (122-40-7)	
ATE CA (oral)	3730 mg/kg body weight
BUTYRIC ACID NATURAL (107-92-6)	
LD50 oral	1630 mg/kg body weight
ATE CA (oral)	1630 mg/kg body weight
LINALOOL NATURAL EXHOWOOD 98% (78-70-6)	
LD50 oral	2790 mg/kg body weight
ATE CA (oral)	2790 mg/kg body weight
OCIMENE NATURAL (13877-91-3)	
LD50 oral	5000 mg/kg body weight
ATE CA (oral)	5000 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)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)
METHYL ANTHRANILATE NATURAL (134-20-3)	
LD50 oral	2780 mg/kg body weight
ATE CA (oral)	2780 mg/kg body weight
CAMPHENE NATURAL (79-92-5)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2500 mg/kg (Rabbit, Dermal)
GERANYL ACETATE, NATURAL (105-87-3)	
LD50 oral rat	6300 mg/kg (Rat, Oral)
ATE CA (oral)	6300 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
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	: May be fatal if swallowed and enters airways.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after ingestion	: Risk of lung edema.

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.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

ORANGE TERPENES (68647-72-3)	
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 Daphnia 1	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

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ORANGE TERPENES (68647-72-3)	
EC50 72h algae [mg/] 1	150 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)
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)

CAMPHENE NATURAL (79-92-5)	
LC50 fish 1	0.72 mg/l (96 h, Brachydanio rerio, Technical product)
EC50 Daphnia 1	22 mg/l (48 h, Daphnia magna, Technical product)
EC50 72h algae [mg/] 1	> 1000 mg/l (Scenedesmus subspicatus, Technical product)
BCF fish 1	432 - 1290 (Cyprinus carpio, Test duration: 8 weeks)
Log Pow	4.02

GERANYL ACETATE, NATURAL (105-87-3)	
LC50 fish 1	68.12 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Read-across)
EC50 Daphnia 1	14.1 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h algae [mg/] 1	3.72 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
BCF other aquatic organisms 1	1500 (Estimated value)
Log Pow	4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Log Koc	3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.2. Persistence and degradability

OXYPHENYLON, NATURAL (5471-51-2)	
Persistence and degradability	Biodegradability in water: no data available.

ORANGE TERPENES (68647-72-3)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance

CAMPHENE NATURAL (79-92-5)	
Persistence and degradability	Not readily biodegradable in water.

GERANYL ACETATE, NATURAL (105-87-3)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.6 g O ₂ /g substance

12.3. Bioaccumulative potential

OXYPHENYLON, NATURAL (5471-51-2)	
Bioaccumulative potential	No bioaccumulation data available.

ORANGE TERPENES (68647-72-3)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$).
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)

CAMPHENE NATURAL (79-92-5)	
Bioaccumulative potential	Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$).
BCF fish 1	432 - 1290 (Cyprinus carpio, Test duration: 8 weeks)
Log Pow	4.02

GERANYL ACETATE, NATURAL (105-87-3)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$).
BCF other aquatic organisms 1	1500 (Estimated value)
Log Pow	4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Log Koc	3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.4. Mobility in soil

ORANGE TERPENES (68647-72-3)	
Ecology - soil	Adsorbs into the soil.
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)

CAMPHENE NATURAL (79-92-5)	
Log Pow	4.02

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GERANYL ACETATE, NATURAL (105-87-3)	
Ecology - soil	Low potential for mobility in soil.
Log Koc	3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Log Pow	4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

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

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

DOT NA No : UN1266
UN-No.(DOT) : 1266
Packing group (DOT) : III - Minor Danger
Transport document description : UN1266 Perfumery products, 3, III
Proper Shipping Name (DOT) : Perfumery products
Contains Statement Field Selection (DOT) :
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Division (DOT) : 3
Hazard labels (DOT) : 3 - Flammable liquid



Dangerous for the environment : No
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 Packaging Non Bulk (49 CFR 173.xxx) : 203
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
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.

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14.3. Air and sea transport

IMDG

UN-No. (IMDG)	: 1266
Proper Shipping Name (IMDG)	: PERFUMERY PRODUCTS
Transport document description (IMDG)	: UN 1266 PERFUMERY PRODUCTS, 3, III
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger

IATA

UN-No. (IATA)	: 1266
Proper Shipping Name (IATA)	: Perfumery products
Transport document description (IATA)	: UN 1266 Perfumery products, 3, III
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. National regulations

OXYPHENYLON, NATURAL (5471-51-2)

Listed on the Canadian DSL (Domestic Substances List)

ACETIC ACID NATURAL (64-19-7)

Listed on the Canadian DSL (Domestic Substances List)

PINENE ALPHA, NATURAL (7785-26-4)

Listed on the Canadian NDSL (Non-Domestic Substances List)

AMYL CINNAMIC ALDEHYDE NATURAL (122-40-7)

Listed on the Canadian DSL (Domestic Substances List)

PINENE BETA, NATURAL (18172-67-3)

Listed on the Canadian DSL (Domestic Substances List)

BUTYRIC ACID NATURAL (107-92-6)

Listed on the Canadian DSL (Domestic Substances List)

LINALOOL NATURAL EXHOWOOD 98% (78-70-6)

Listed on the Canadian DSL (Domestic Substances List)

OCIMENE NATURAL (13877-91-3)

Listed on the Canadian DSL (Domestic Substances List)

ORANGE TERPENES (68647-72-3)

Listed on the Canadian DSL (Domestic Substances List)

METHYL ANTHRANILATE NATURAL (134-20-3)

Listed on the Canadian DSL (Domestic Substances List)

CAMPHENE NATURAL (79-92-5)

Listed on the Canadian DSL (Domestic Substances List)

CARYOPHYLLENE BETA, NATURAL (87-44-5)

Listed on the Canadian DSL (Domestic Substances List)

ETHYL ISOVALERATE NATURAL (108-64-5)

Listed on the Canadian DSL (Domestic Substances List)

GERANYL ACETATE, NATURAL (105-87-3)

Listed on the Canadian DSL (Domestic Substances List)

ISO AMYL BUTYRATE, NATURAL (106-27-4)

Listed on the Canadian DSL (Domestic Substances List)

ISO AMYL ISOVALERATE NATURAL (659-70-1)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

OXYPHENYLON, NATURAL (5471-51-2)

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

ACETIC ACID NATURAL (64-19-7)

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

BLUEBERRY SOLVENT FREE TERPENE FLAVOR

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

PINENE ALPHA, NATURAL (7785-26-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
AMYL CINNAMIC ALDEHYDE NATURAL (122-40-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
PINENE BETA, NATURAL (18172-67-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
BUTYRIC ACID NATURAL (107-92-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LINALOOL NATURAL EXHOWOOD 98% (78-70-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
OCIMENE NATURAL (13877-91-3)
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
METHYL ANTHRANILATE NATURAL (134-20-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
CAMPHENE NATURAL (79-92-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
CARYOPHYLLENE BETA, NATURAL (87-44-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
ETHYL ISOVALERATE NATURAL (108-64-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
GERANYL ACETATE, NATURAL (105-87-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
ISO AMYL BUTYRATE, NATURAL (106-27-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
ISO AMYL ISOVALERATE NATURAL (659-70-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor : None
Date of issue : 03/02/2020
Revision date : 03/02/2020

Full text of H-phrases:

H226	Flammable liquid and vapour
H227	Combustible liquid
H228	Flammable solid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation

SDS Canada (GHS) - Extract Consultants

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.