

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : LINGONBERRY SPICE ALL NATURAL
 CAS-No. : N/A
 Product code : 99320

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Shay and Company
 10639 SE Fuller Rd
 Milwaukie, OR 97222
 503-653-1155

1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300
 CCN 1014530

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	Combustible liquid
Respiratory sensitization, Category 1	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
Skin sensitization, Category 1	May cause an allergic skin reaction
Germ cell mutagenicity Category 2	Suspected of causing genetic defects
Carcinogenicity Category 1B	May cause cancer

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



GHS08

Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Combustible liquid
 May cause an allergic skin reaction
 May cause an allergy or asthma symptoms or breathing difficulties if inhaled
 Suspected of causing genetic defects
 May cause cancer

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.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 [In case of inadequate ventilation] wear respiratory protection.
 If on skin: Wash with plenty of water.
 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
 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.
 If experiencing respiratory symptoms: Call a poison center or doctor.
 Wash contaminated clothing before reuse.

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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.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
PHENYLETHYL ALCOHOL	(CAS-No.) 60-12-8	1 - 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
4-(p-Hydroxyphenyl)-2-butanone	(CAS-No.) 5471-51-2	1 - 5	Acute Tox. 4 (Oral), H302
CINNAMON LEAF OIL	(CAS-No.) 8015-91-6	1 - 5	Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350
α -Hexylcinnamaldehyde	(CAS-No.) 101-86-0	1 - 5	Skin Sens. 1B, H317
FIR NEEDLE OIL	(CAS-No.) 8021-29-2	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
CITRONELLOL	(CAS-No.) 106-22-9	0.1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
ORANGE OIL	(CAS-No.) 8028-48-6	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
BETA IONONE	(CAS-No.) 14901-07-6	0.1 - 1	Resp. Sens. 1, H334 Skin Sens. 1, H317

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
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 inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

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5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid.
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 : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/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. Notify authorities if product enters sewers or public waters.

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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures : Separate working clothes from town clothes. Launder separately. 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 in a well-ventilated place. Keep cool. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OXYPHENYLON, NATURAL (5471-51-2)

Not applicable

HEXYL CINNAMIC ALDEHYDE NATURA (101-86-0)

Not applicable

CINNAMON LEAF B&F (DONT SELL) (8015-91-6)

Not applicable

FIR NEEDLE SIBERIAN OIL (8021-29-2)

Not applicable

ORANGE SWEET OIL (8028-48-6)

Not applicable

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PHENYL ETHYL ALCOHOL, NATURAL (60-12-8)

Not applicable

CITRONELLOL, NATURAL (106-22-9)

Not applicable

IONONE BETA, NATURAL (14901-07-6)

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
: COLORLESS 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 : 77 °C
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 : 0.954 (0.944 - 0.964)
Solubility : Insoluble.
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

Refractive index : 1.457 (1.447 - 1.467)

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SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

OXYPHENYLON, NATURAL (5471-51-2)	
LD50 oral rat	1320 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE US (oral)	1320 mg/kg body weight
HEXYL CINNAMIC ALDEHYDE NATURA (101-86-0)	
ATE US (oral)	3100 mg/kg body weight
CINNAMON LEAF B&F (DONT SELL) (8015-91-6)	
ATE US (oral)	2650 mg/kg body weight
ORANGE SWEET OIL (8028-48-6)	
LD50 oral rat	> 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
PHENYL ETHYL ALCOHOL, NATURAL (60-12-8)	
ATE US (oral)	1610 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight
CITRONELLOL, NATURAL (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
IONONE BETA, NATURAL (14901-07-6)	
LD50 oral rat	4590 mg/kg (Rat, Oral)
ATE US (oral)	4590 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity : Suspected of causing genetic defects.
Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

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

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.

ORANGE SWEET OIL (8028-48-6)	
LC50 fish 1	702 µg/l (LC50; Equivalent or similar to OECD 203; 96 h; Pimephales promelas; Flow-through system; Fresh water; Read-across)
EC50 Daphnia 1	0.67 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

CITRONELLOL, NATURAL (106-22-9)	
LC50 fish 1	10 - 22 mg/l (96 h, Leuciscus idus)
EC50 Daphnia 1	17 mg/l (48 h, Daphnia magna)

IONONE BETA, NATURAL (14901-07-6)	
LC50 fish 1	5.1 mg/l (96 h, Pimephales promelas)

12.2. Persistence and degradability

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

CITRONELLOL, NATURAL (106-22-9)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.05 g O ₂ /g substance
ThOD	2.961 g O ₂ /g substance

IONONE BETA, NATURAL (14901-07-6)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.91 g O ₂ /g substance

12.3. Bioaccumulative potential

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

ORANGE SWEET OIL (8028-48-6)	
BCF other aquatic organisms 1	32 - 395 (BCF; BCFWIN)
Log Pow	2.78 - 4.88 (QSAR; KOWWIN)

CITRONELLOL, NATURAL (106-22-9)	
Log Pow	3.41 - 3.91

IONONE BETA, NATURAL (14901-07-6)	
Log Pow	4.1

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

OXYPHENYLON, NATURAL (5471-51-2)

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

HEXYL CINNAMIC ALDEHYDE NATURA (101-86-0)
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Listed on the United States TSCA (Toxic Substances Control Act) inventory

CINNAMON LEAF B&F (DONT SELL) (8015-91-6)
--

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

FIR NEEDLE SIBERIAN OIL (8021-29-2)
--

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

ORANGE SWEET OIL (8028-48-6)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

PHENYL ETHYL ALCOHOL, NATURAL (60-12-8)
--

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

CITRONELLOL, NATURAL (106-22-9)
--

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

IONONE BETA, NATURAL (14901-07-6)
--

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

15.2. International regulations

CANADA

OXYPHENYLON, NATURAL (5471-51-2)

Listed on the Canadian DSL (Domestic Substances List)

HEXYL CINNAMIC ALDEHYDE NATURA (101-86-0)
--

Listed on the Canadian DSL (Domestic Substances List)

CINNAMON LEAF B&F (DONT SELL) (8015-91-6)
--

Listed on the Canadian DSL (Domestic Substances List)

FIR NEEDLE SIBERIAN OIL (8021-29-2)
--

Listed on the Canadian DSL (Domestic Substances List)

ORANGE SWEET OIL (8028-48-6)

Listed on the Canadian DSL (Domestic Substances List)

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PHENYL ETHYL ALCOHOL, NATURAL (60-12-8)

Listed on the Canadian DSL (Domestic Substances List)

CITRONELLOL, NATURAL (106-22-9)

Listed on the Canadian DSL (Domestic Substances List)

IONONE BETA, NATURAL (14901-07-6)

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



WARNING:

California Proposition 65 for products falling below safe harbor levels.

This product does not contain any Proposition 65 chemicals. This formula does contain Orange essential oil, which contains Myrcene and Safrole, which is on the Prop 65 list. We believe the volume in the end product falls below the safe harbor levels designated by Prop 65 and therefore this product does not have a Prop 65 warning. Please see our letter on Prop 65 warnings.

SECTION 16: Other information

Revision date : 08/21/2020

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
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer

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.