

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 02/22/2019 Revision date: 09/20/2022 Supersedes: 02/22/2019

Version: 1.2

1.1. Identification : Mixture Product form : Mixture Product form Product form CAS-No. : N/A Product code : 90-3024-83 1.2. Recommended use and restrictions on use 1.3. Supplier The Labermuth Company 4004 Technology Drive 500th Bend, IN 46628 - United States 1574-258-7000 - F 574-258-7450 1:6@lebermuth.com - www.lebermuth.com Iteration 1:1. Cleastification Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424 CCN 13010 SECTION 2: Hazard(s) identification Elammable liquids Category 1 Causes skin irritation Ston corosion/irritation Category 2 Causes skin irritation Ston corosion/irritation Category 2 Suspected of damaign fertility or the unborn child Agriration hazard Category 1 May cause an altergic skin reaction Suspected of Causing cancer Suspected of damaign fertility or the unborn child Agriration hazard Category 2 Gristo Gristo Signal word (CHS US) : Danger Gristo F anivays	ION 1: Identification	
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Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.	Do Ke Sn Ke Gi Us Us Ta Av W	o not handle until all safety precautions have been read and understood. eep away from heat, hot surfaces, sparks, open flames and other ignition sources. No noking. eep container tightly closed. round/Bond container and receiving equipment. se explosion-proof electrical/ventilating/lighting equipment. se only non-sparking tools. ake precautionary measures against static discharge. void breathing dust/fume/gas/mist/vapors/spray. /ash hands, forearms and face thoroughly after handling.

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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. 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 eve 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 Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients

Substances 3.1. Not applicable

2.3.

2.4.

3.2. **Mixtures**

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Name	Product identifier	%	GHS US classification
Eucalyptol	(CAS-No.) 470-82-6	25 – 50	Flam. Liq. 3, H226 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
MENTHOL	(CAS-No.) 89-78-1	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320
CARVONE	(CAS-No.) 6485-40-1	5 – 10	Flam. Liq. 4, H227 Skin Sens. 1B, H317
I-Limonene	(CAS-No.) 5989-54-8	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
L-MENTHONE	(CAS-No.) 14073-97-3	5 – 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317
p-Cymene	(CAS-No.) 99-87-6	1 – 5	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation:vapour), H331 Repr. 2, H361 Asp. Tox. 1, H304
ALPHA-PINENE	(CAS-No.) 80-56-8	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
GAMMA-TERPINENE	(CAS-No.) 99-85-4	1 – 5	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304
β-Caryophyllene	(CAS-No.) 87-44-5	1 – 5	Skin Sens. 1B, H317 Asp. Tox. 1, H304
d,I-Isomenthone	(CAS-No.) 491-07-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1B, H317
(+)-Neomenthol	(CAS-No.) 2216-52-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320
MYRCENE	(CAS-No.) 123-35-3	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
D-PULEGONE	(CAS-No.) 89-82-7	0.1 – 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Carc. 2, H351

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

4.1. Description of first aid measures 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 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 t
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First-aid measures after eye contact 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 t
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 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	: Flammable liquid and vapor.		
Reactivity	: Flammable liquid and vapor.		
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 eq	uipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. 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 containme	ent 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. 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. 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, includi			
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/pers	onal protection		

8.1. Control parameters

OIL, CLARITY* (N/A)	
No additional information available	
ALPHA-PINENE (80-56-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	α-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 2022
Eucalyptol (470-82-6)	
No additional information available	

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I-Limonene (5989-54-8)	
No additional information available	
MYRCENE (123-35-3)	
No additional information available	
p-Cymene (99-87-6)	
No additional information available	
GAMMA-TERPINENE (99-85-4)	
No additional information available	
β-Caryophyllene (87-44-5)	
No additional information available	
d,I-Isomenthone (491-07-6)	
No additional information available	
L-MENTHONE (14073-97-3)	
No additional information available	
(+)-Neomenthol (2216-52-6)	
No additional information available	
D-PULEGONE (89-82-7)	
No additional information available	
MENTHOL (89-78-1)	
No additional information available	
CARVONE (6485-40-1)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.

s : 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	: COLORLESS TO LIGHT YELLOW/AMBER	
Ddor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE	
Ddor threshold	: No data available	
рН	: No data available	
Melting point	: Not applicable	

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: 56 °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	: 0.908 (0.898 – 0.918)
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	

Refractive index

: 1.465 (1.455 – 1.475)

SECTION 10: Stability and reactivity		
10.1. Reactivity		
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, i	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	on	
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
ALPHA-PINENE (80-56-8)		
LD50 oral rat	> 500 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 01 day(s))	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Skin, 14 day(s))	
ATE US (oral)	500 mg/kg body weight	
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	

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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)
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 (vapors)	3 mg/l/4h
GAMMA-TERPINENE (99-85-4)	
ATE US (oral)	3850 mg/kg body weight
d,I-Isomenthone (491-07-6)	
ATE US (oral)	2500 mg/kg body weight
L-MENTHONE (14073-97-3)	
ATE US (oral)	500 mg/kg body weight
(+)-Neomenthol (2216-52-6)	
ATE US (oral)	2500 mg/kg body weight
D-PULEGONE (89-82-7)	
ATE US (oral)	470 mg/kg body weight
ATE US (dermal)	3090 mg/kg body weight
MENTHOL (89-78-1)	
ATE US (oral)	2500 mg/kg body weight
· · ·	
CARVONE (6485-40-1)	
ATE US (oral)	2500 mg/kg body weight
ATE US (dermal)	3800 mg/kg body weight
kin corrosion/irritation	: Causes skin irritation.
erious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Serm cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
MYRCENE (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
5 1	
D-PULEGONE (89-82-7)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
TOT-repeated exposure	: Not classified
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)
	OPPTS 870.3150 (90-Day Oral Toxicity in Non-rodents)

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MYRCENE (123-35-3)	
LOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/male,90 days)	500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: May be fatal if swallowed and enters airways.
/iscosity, kinematic	: No data available
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.
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.
ALPHA-PINENE (80-56-8)	
LC50 - Fish [1]	0.303 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	0.475 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, Locomotor effect)
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)
MYRCENE (123-35-3)	
EC50 - Crustacea [1]	1.47 mg/l Test organisms (species): Daphnia magna
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)
ErC50 algae	4.03 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)
β-Caryophyllene (87-44-5)	
EC50 - Crustacea [1]	> 0.17 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

ALPHA-PINENE (80-56-8)	
Persistence and degradability	Readily biodegradable in water.
Eucalyptol (470-82-6)	
Persistence and degradability	Readily biodegradable in water.
I-Limonene (5989-54-8)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance
MYRCENE (123-35-3)	
Persistence and degradability	Readily biodegradable in water.

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p-Cymene (99-87-6)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential		
ALPHA-PINENE (80-56-8)		
BCF - Other aquatic organisms [1]	1233.1 – 1248 l/kg (BCFBAF v3.01, Read-across, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	4.487 (Experimental value, Equivalent or similar to OECD 107, 25 °C)	
Bioaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).	
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).	
I-Limonene (5989-54-8)		
Partition coefficient n-octanol/water (Log Pow)	4.83 (QSAR)	
Bioaccumulative potential	Bioaccumable.	
MYRCENE (123-35-3)		
Partition coefficient n-octanol/water (Log Pow)	5.285 (Literature, 25 °C)	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 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 ($4 \le Log$ Kow ≤ 5).	

12.4. Mobility in soil

ALPHA-PINENE (80-56-8)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.009 – 3.853 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.
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.
I-Limonene (5989-54-8)	
Ecology - soil	Adsorbs into the soil.
MYRCENE (123-35-3)	
Ecology - soil	No (test)data on mobility of the substance available.
p-Cymene (99-87-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.17 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for mobility in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	ons
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.

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SECTION 14: Transport information

In accordance with DOT Transport document description (DOT)

UN-No.(DOT) Proper Shipping Name (DOT)

Class (DOT) Packing group (DOT) Hazard labels (DOT)

: UN1266 Perfumery products (Regulated for Bulk only), 3, III

- : UN1266
- : Perfumery products
- (Regulated for Bulk only)
- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : III Minor Danger
- : 3 Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx)
DOT Packaging Bulk (49 CFR 173.xxx)

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
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
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.
	· · · ·
Transportation of Dangerous Goods	
Transportation of Dangerous Goods Transport document description (TDG)	: UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III
Transport document description (TDG)	: UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III
Transport document description (TDG) UN-No. (TDG)	: UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III : UN1266
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG)	 : UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III : UN1266 : PERFUMERY PRODUCTS
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes	 UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III UN1266 PERFUMERY PRODUCTS 3 - Class 3 - Flammable Liquids
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG)	 : UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III : UN1266 : PERFUMERY PRODUCTS : 3 - Class 3 - Flammable Liquids : III - Minor Danger : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG) TDG Special Provisions	 : UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III : UN1266 : PERFUMERY PRODUCTS : 3 - Class 3 - Flammable Liquids : III - Minor Danger : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass). : 5 L
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG) TDG Special Provisions Explosive Limit and Limited Quantity Index Passenger Carrying Road Vehicle or Passenger	 : UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III : UN1266 : PERFUMERY PRODUCTS : 3 - Class 3 - Flammable Liquids : III - Minor Danger : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass). : 5 L
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG) TDG Special Provisions Explosive Limit and Limited Quantity Index Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	 : UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III : UN1266 : PERFUMERY PRODUCTS : 3 - Class 3 - Flammable Liquids : III - Minor Danger : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass). : 5 L
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG) TDG Special Provisions Explosive Limit and Limited Quantity Index Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index Transport by sea	 UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III UN1266 PERFUMERY PRODUCTS 3 - Class 3 - Flammable Liquids III - Minor Danger 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass). 5 L 60 L
Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG) TDG Special Provisions Explosive Limit and Limited Quantity Index Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index Transport by sea Transport document description (IMDG)	 UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III UN1266 PERFUMERY PRODUCTS 3 - Class 3 - Flammable Liquids III - Minor Danger 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass). 5 L 60 L UN 1266 PERFUMERY PRODUCTS, 3, III

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Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	

: UN 1266 Perfumery products, 3, III

: 1266

: Perfumery products

: III - Minor Danger

: 3 - Flammable Liquids

Transport document description (IATA) UN-No. (IATA) Proper Shipping Name (IATA) Class (IATA) Packing group (IATA)

SECTION 15: Regulatory information

15.1. US Federal regulations

CARVONE (6485-40-1) Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
CANADA
ALPHA-PINENE (80-56-8)
Listed on the Canadian DSL (Domestic Substances List)
Eucalyptol (470-82-6)
Listed on the Canadian DSL (Domestic Substances List)
I-Limonene (5989-54-8)
Listed on the Canadian DSL (Domestic Substances List)
MYRCENE (123-35-3)
Listed on the Canadian DSL (Domestic Substances List)
p-Cymene (99-87-6)
Listed on the Canadian DSL (Domestic Substances List)
GAMMA-TERPINENE (99-85-4)
Listed on the Canadian DSL (Domestic Substances List)
β-Caryophyllene (87-44-5)
Listed on the Canadian DSL (Domestic Substances List)
d,I-Isomenthone (491-07-6)
Listed on the Canadian DSL (Domestic Substances List)
L-MENTHONE (14073-97-3)
Listed on the Canadian DSL (Domestic Substances List)
(+)-Neomenthol (2216-52-6)
Listed on the Canadian DSL (Domestic Substances List)
D-PULEGONE (89-82-7)
Listed on the Canadian DSL (Domestic Substances List)
MENTHOL (89-78-1)
Listed on the Canadian DSL (Domestic Substances List)
CARVONE (6485-40-1)
Listed on the Canadian DSL (Domestic Substances List)
EU-Regulations No additional information available

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lational regulations	
ALPHA-PINENE (80-56-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Eucalyptol (470-82-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	
I-Limonene (5989-54-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
MYRCENE (123-35-3)	
Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	
p-Cymene (99-87-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	
GAMMA-TERPINENE (99-85-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	
β-Caryophyllene (87-44-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
d,I-Isomenthone (491-07-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
L-MENTHONE (14073-97-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
(+)-Neomenthol (2216-52-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
D-PULEGONE (89-82-7)	
Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
MENTHOL (89-78-1)	

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

WARNING:

This product can expose you to d-pulegone, 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.

Component	State or local regulations
ALPHA-PINENE(80-56-8)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
p-Cymene(99-87-6)	U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16:	Other information

Revision of	late
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Full text of H-phrases:				
H226	Flammable liquid and vapor			
H227	Combustible liquid			
H302	Harmful if swallowed			
H304	May be fatal if swallowed and enters airways			
H315	Causes skin irritation			
H317	May cause an allergic skin reaction			
H319	Causes serious eye irritation			
H320	Causes eye irritation			
H331	Toxic if inhaled			
H351	Suspected of causing cancer			
H361	Suspected of damaging fertility or the unborn child			

SDS US (GHS HazCom 2012) - Lebermuth

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.



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Version: 1.3

	6	Issue date: 02/18/2019	Revision date: 06/20/2022	Supersedes: 12/07/2020	Version: 1.3
SECTION 1:	Identification				
	ification				
Product form		: Mixture			
Product name		: OIL, SWEET	DREAMS BLEND II*		
CAS-No.		: N/A			
Product code		90-3036-68			
1.2. Recor	mmended use and	restrictions on use			
1.3. Suppl	lier				
T 574-259-7000					
1.4. Emerg	gency telephone n	umber			
Emergency num	nber	: CHEMTREC CCN 13010	- USA: 800-424-9300 Inter	rnational: +1 703-527-3887 / 1-	800-424-9300
SECTION 2:	Hazard(s) ider	ntification			
2.1. Class	ification of the sul	ostance or mixture			
GHS US classif	fication				
Serious eye dan Skin sensitizatio	rritation Category 2 mage/eye irritation C on, Category 1 xicity Category 2	Caus Category 1 Caus May Susp	bustible liquid ses skin irritation ses serious eye damage cause an allergic skin reaction sected of damaging fertility or be fatal if swallowed and ente	the unborn child	
		cluding precautionary state	nents		
GHS US labelin	-				
Hazard pictogra	ims (GHS US)	GHS05	GHS07 GHS0	8	
Signal word (GF	HS US)	: Danger			
Hazard stateme	ents (GHS US)	Causes skin May cause a Causes seric	if swallowed and enters airwa		
Precautionary st	tatements (GHS US	Do not handl Keep away fr smoking. Avoid breath Wash hands. Contaminate Wear protect If swallowed: If on skin: Wa IF IN EYES: and easy to o	rom heat, hot surfaces, sparks ing dust/fume/gas/mist/vapors , forearms and face thoroughl d work clothing must not be a ive gloves/protective clothing/ Immediately call a poison cel ash with plenty of water.	y after handling. llowed out of the workplace. /eye protection/face protection. nter or doctor. or several minutes. Remove con	n sources. No

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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. 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.

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
CEDARWOOD OIL	(CAS-No.) 8000-27-9	≥ 50	Asp. Tox. 1, H304
LITSEA CUBEBA OIL	(CAS-No.) 68855-99-2	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
LINALYL ACETATE	(CAS-No.) 115-95-7	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Linalool	(CAS-No.) 78-70-6	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
LAVENDER OIL	(CAS-No.) 8000-28-0	5 – 10	Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LEMONGRASS OIL	(CAS-No.) 8007-02-1	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317
LAVANDIN GROSSO OIL	(CAS-No.) 8022-15-9	1 – 5	Flam. Liq. 4, H227 Eye Dam. 1, H318 Skin Sens. 1B, H317
LAVANDIN GROSSO OIL	(CAS-No.) 8022-15-9	1 – 5	Flam. Liq. 4, H227 Eye Dam. 1, H318 Skin Sens. 1B, H317
YLANG YLANG OIL	(CAS-No.) 8006-81-3	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 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 measures	
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	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.
06/20/2022	EN (English US) 2/8

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4.2.	Most important symptoms and effects	(acute and delayed)	
Sympton		Irritation. May cause an allergic skin reaction.	
, ,		Serious damage to eyes.	
• •	•	Risk of lung edema.	
	-	-	
4.3.	Immediate medical attention and spec	lai treatment, it necessary	
I reat sy	nptomatically.		
SECTI	ON 5: Fire-fighting measures		
5.1.	Suitable (and unsuitable) extinguishin	g media	
Suitable	extinguishing media :	Water spray. Dry powder. Foam. Carbon dioxide.	
5.2.	Specific hazards arising from the cher	nical	
Fire haza		Combustible liquid.	
Reactivit		The product is non-reactive under normal conditions of use, storage and transport.	
	-	· · · · ·	
5.3.	Special protective equipment and prec		
Protectio	n 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		
		Shelt and emergency procedures	
6.1.1.	For non-emergency personnel		
Emerger	cy procedures :	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.	
6.1.2.	For emergency responders		
Protectiv	e 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 rel	ease to the environment.		
6.3.	Methods and material for containment	and cleaning up	
		Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public	
	ormation :	waters. 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		
Precautio	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. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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	· ·	
Storage	conditions :	Store in a well-ventilated place. Keep cool. Store locked up.	
SECTI	ON 8: Exposure controls/persor	nal protection	
8.1.	Control parameters		
OIL. SI	WEET DREAMS BLEND II* (N/A)		
	itional information available		
	RWOOD OIL (8000-27-9)		
	itional information available		

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LINALYL ACETATE (115-95-7)
No additional information available
LAVENDER OIL (8000-28-0)
No additional information available
Linalool (78-70-6)
No additional information available
LAVANDIN GROSSO OIL (8022-15-9)
No additional information available
LAVANDIN GROSSO OIL (8022-15-9)
No additional information available
LEMONGRASS OIL (8007-02-1)
No additional information available
LITSEA CUBEBA OIL (68855-99-2)
No additional information available
YLANG YLANG OIL (8006-81-3)
No additional information available

8.2. Appropriate engineering controls

: Ensure good ventilation of the work station.

: 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

Appropriate engineering controls

Environmental exposure controls

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/AMBER TO YELLOW/AMBER
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	: 86 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available

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: No data available
: 0.921 (0.911 – 0.931)
: Insoluble.
: No data available

Refractive index

: 1.486 (1.476 - 1.496)

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.

ECTION 11: Toxicological informati	
1. Information on toxicological effects	
ute toxicity (oral)	: Not classified
ute toxicity (dermal)	: Not classified
ute toxicity (inhalation)	: Not classified
EDARWOOD OIL (8000-27-9)	
D50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: not determinable due to absence of adverse toxic effects
D50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
inalool (78-70-6)	
TE US (oral)	2790 mg/kg body weight
EMONGRASS OIL (8007-02-1)	
TE US (dermal)	3127 mg/kg body weight
ITSEA CUBEBA OIL (68855-99-2)	
TE US (dermal)	4800 mg/kg body weight
in corrosion/irritation	: Causes skin irritation.
rious eye damage/irritation	: Causes serious eye damage.
spiratory or skin sensitization	: May cause an allergic skin reaction.
rm cell mutagenicity	: Not classified
rcinogenicity	: Not classified

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Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
CEDARWOOD OIL (8000-27-9)	
NOAEL (animal/female, F1)	207 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Remarks on results: other:
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
CEDARWOOD OIL (8000-27-9)	
NOAEL (oral,rat,90 days)	< 207 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Risk of lung edema.
SECTION 12: Ecological information	on
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations

13.1.Disposal methodsWaste 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

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Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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

LAVENDER OIL (8000-28-0)

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

LAVANDIN GROSSO OIL (8022-15-9)

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

LAVANDIN GROSSO OIL (8022-15-9)

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

LEMONGRASS OIL (8007-02-1)

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

LITSEA CUBEBA OIL (68855-99-2)

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

YLANG YLANG OIL (8006-81-3)

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

15.2. International regulations
CANADA
CEDARWOOD OIL (8000-27-9)
Listed on the Canadian DSL (Domestic Substances List)
LINALYL ACETATE (115-95-7)
Listed on the Canadian DSL (Domestic Substances List)
LAVENDER OIL (8000-28-0)
Listed on the Canadian DSL (Domestic Substances List)
Linalool (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
LAVANDIN GROSSO OIL (8022-15-9)
Listed on the Canadian DSL (Domestic Substances List)

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LAVANDIN GROSSO OIL (8022-15-9)
Listed on the Canadian DSL (Domestic Substances List)
LEMONGRASS OIL (8007-02-1)
Listed on the Canadian DSL (Domestic Substances List)
LITSEA CUBEBA OIL (68855-99-2)
Listed on the Canadian DSL (Domestic Substances List)
YLANG YLANG OIL (8006-81-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Linalool (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

This product can expose you to hexane - impurity, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING:

This product can expose you to safrole, 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.

sion date	: 06/20/2022	: 06/20/2022		
text of H-phrases:				
H227	Combustible liquid			
H304	May be fatal if swallowed and enters airways			
H315	Causes skin irritation			
H317	May cause an allergic skin reaction			
H318	Causes serious eye damage			
H319 Causes serious eye irritation				
H361 Suspected of damaging fertility or the unborn child				

SDS US (GHS HazCom 2012) - Lebermuth

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.



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Enn		Issue date: 02/10/2019	Revision date: 04/07/2022	Supersedes: 01/25/2021	Version: 1.3
SECTION 1:	Identification				
	ication				
Product form		: Mixture			
Product name		: OIL, ENERGI	ZE (1) EO BLEND*		
CAS-No.		: N/A			
Product code		: 90-3036-01			
1.2. Recom	nmended use and r	estrictions on use			
1.3. Suppli	ier				
T 574-259-7000 ·					
1.4. Emerg	ency telephone nu	mber			
Emergency numb	ber	: CHEMTREC CCN 13010	- USA: 800-424-9300 Intern	ational: +1 703-527-3887 / 1-8	00-424-9300
SECTION 2:	Hazard(s) ident	ification			
2.1. Classi	fication of the subs	tance or mixture			
GHS US classifi	ication				
Serious eye dam Skin sensitizatior	itation Category 2 lage/eye irritation Ca n, Category 1 enicity Category 2 Category 2 licity Category 2	Cause tegory 2A Cause May c Suspe Suspe Suspe	nable liquid and vapor es skin irritation es serious eye irritation ause an allergic skin reaction acted of causing genetic defec acted of causing cancer acted of damaging fertility or th e fatal if swallowed and enters	e unborn child	
2.2. GHS L	abel elements, incl	uding precautionary statem	ients		
GHS US labeling	g				
Hazard pictogran	ns (GHS US)	: GHS02	GHS07 GHS08	>	
Signal word (GH	S US)	: Danger			
Hazard statemen	nts (GHS US)	Causes skin in May cause ar Causes seriou Suspected of Suspected of	swallowed and enters airway		
Precautionary sta	atements (GHS US)	: Obtain specia Do not handle Keep away fro smoking. Keep containe Ground/Bond Use explosior Use only non- Take precauti	I instructions before use. until all safety precautions ha om heat, hot surfaces, sparks, er tightly closed. container and receiving equip i-proof electrical/ventilating/ligh sparking tools. onary measures against static ng dust/fume/gas/mist/vapors/s	ve been read and understood. open flames and other ignition ment. nting equipment. discharge.	

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Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. 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.	
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.

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
GRAPEFRUIT OIL	(CAS-No.) 8016-20-4	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
BASIL OIL	(CAS-No.) 8015-73-4	10 – 25	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351
LITSEA CUBEBA OIL	(CAS-No.) 68855-99-2	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
LEMON OIL	(CAS-No.) 8008-56-8	10 – 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304
LIME OIL	(CAS-No.) 8008-26-2	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 Asp. Tox. 1, H304
LEMON OIL TERPENES	(CAS-No.) 68917-33-9	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304
CITRAL	(CAS-No.) 5392-40-5	0.1 – 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317

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

Full text of hazard classes and H-statements : s	
SECTION 4: First-aid measures	
4.1. Description of first aid measures	
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 effe	cts (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 and sp	pecial treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguis	hing media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the c	hemical
Fire hazard	: Flammable liquid and vapor.
Reactivity	: Flammable liquid and vapor.
5.3. Special protective equipment and p	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 mea	sures
6.1. Personal precautions, protective ed	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. 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 containm	ent 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. 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

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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 stora	ige, 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 cont	rols/personal protection
8.1. Control parameters	
OIL, ENERGIZE (1) EO BLEND* (N/A)
No additional information available	
BASIL OIL (8015-73-4)	
No additional information available	
GRAPEFRUIT OIL (8016-20-4)	
No additional information available	
CITRAL (5392-40-5)	
USA - ACGIH - Occupational Exp	osure Limits
Local name	Citral
ACGIH OEL TWA [ppm]	5 ppm
Remark (ACGIH)	Body weight eff; URT irr; eye dam; Skin; DSEN; A4 (Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories)
LEMON OIL TERPENES (68917-3	3-9)
No additional information available	
LEMON OIL (8008-56-8)	
No additional information available	
LIME OIL (8008-26-2)	
No additional information available	
LITSEA CUBEBA OIL (68855-99-	2)

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.: 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.



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	al properties
9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Color	: YELLOW TO ORANGE
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	: 56 °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	: 0.879 (0.869 – 0.889)
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow	ν) : 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	: 1.489 (1.479 – 1.499)
SECTION 10: Stability and reactivi	ity
	ity in the second se
10.1. Reactivity	
10.1. Reactivity Flammable liquid and vapor.	
10.1.ReactivityFlammable liquid and vapor.10.2.Chemical stability	
IO.1. Reactivity Flammable liquid and vapor. IO.2. Chemical stability Stable under normal conditions.	
IO.1. Reactivity Flammable liquid and vapor. IO.2. Chemical stability Stable under normal conditions.	15
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction	
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal	
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid	
IO.1. Reactivity Flammable liquid and vapor. IO.2. Chemical stability Stable under normal conditions. IO.3. Possibility of hazardous reaction No dangerous reactions known under normal IO.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flam	conditions of use.
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flam	conditions of use.
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flam 10.5. Incompatible materials No additional information available	conditions of use. nes, no sparks. Eliminate all sources of ignition.
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flan 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition produ	conditions of use. nes, no sparks. Eliminate all sources of ignition.
IO.1. Reactivity Flammable liquid and vapor. IO.2. Chemical stability Stable under normal conditions. IO.3. Possibility of hazardous reaction No dangerous reactions known under normal IO.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flam IO.5. Incompatible materials No additional information available IO.6. Hazardous decomposition produ Under normal conditions of storage and use, I	conditions of use. mes, no sparks. Eliminate all sources of ignition. Intersects hazardous decomposition products should not be produced.
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flam 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition produ Under normal conditions of storage and use, I SECTION 11: Toxicological inform	conditions of use. nes, no sparks. Eliminate all sources of ignition. Instances Inst
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flan 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition produ Under normal conditions of storage and use, I SECTION 11: Toxicological inform 11.1. Information on toxicological effect	conditions of use. mes, no sparks. Eliminate all sources of ignition. Intersects hazardous decomposition products should not be produced. Internet content of the produced. Internet of the produced of t
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flant 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition produt Under normal conditions of storage and use, I SECTION 11: Toxicological inform 11.1. Information on toxicological effect Acute toxicity (oral)	conditions of use. mes, no sparks. Eliminate all sources of ignition. tets hazardous decomposition products should not be produced. nation ets : Not classified
10.1. Reactivity Flammable liquid and vapor. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reaction No dangerous reactions known under normal 10.4. Conditions to avoid Avoid contact with hot surfaces. Heat. No flam 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition produ Under normal conditions of storage and use, I SECTION 11: Toxicological inform	conditions of use. mes, no sparks. Eliminate all sources of ignition. Instances hazardous decomposition products should not be produced. Ination cts

ATE US (oral)

1340 mg/kg body weight

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GRAPEFRUIT OIL (8016-20-4)	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
CITRAL (5392-40-5)	
ATE US (dermal)	2250 mg/kg body weight
LEMON OIL (8008-56-8)	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:
LD50 dermal rabbit	> 10000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LIME OIL (8008-26-2)	
LD50 oral rat	> 4367 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:
LD50 dermal rabbit	> 4367 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LITSEA CUBEBA OIL (68855-99-2)	
ATE US (dermal)	4800 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	: Suspected of causing genetic defects.
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
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.

SECTI	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.		

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 42: Disposal considerat	tions
SECTION 13: Disposal considerat 13.1. Disposal methods	ions
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	pn
Department of Transportation (DOT)	
In accordance with DOT	
Not regulated	
Transportation of Dangerous Goods	
Not applicable	
μ	
Transport by sea	
Transport document description (IMDG)	: UN 1266 PERFUMERY PRODUCTS, 3, III
UN-No. (IMDG)	: 1266
Proper Shipping Name (IMDG)	: PERFUMERY PRODUCTS
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 1266 Perfumery products, 3, III
UN-No. (IATA)	: 1266
Proper Shipping Name (IATA)	: Perfumery products
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	tion
15.1. US Federal regulations	
BASIL OIL (8015-73-4)	
Listed on the United States TSCA (Toxic St	ubstances Control Act) inventory
GRAPEFRUIT OIL (8016-20-4)	
Listed on the United States TSCA (Toxic St	ubstances Control Act) inventory
CITRAL (5392-40-5)	
Listed on the United States TSCA (Toxic St	ubstances Control Act) inventory
LEMON OIL TERPENES (68917-33-9)	
Listed on the United States TSCA (Toxic St	ubstances Control Act) inventory

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LEMON OIL (8008-56-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
LIME OIL (8008-26-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
LITSEA CUBEBA OIL (68855-99-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

BASIL OIL (8015-73-4)
Listed on the Canadian DSL (Domestic Substances List)
GRAPEFRUIT OIL (8016-20-4)
Listed on the Canadian DSL (Domestic Substances List)
CITRAL (5392-40-5)
Listed on the Canadian DSL (Domestic Substances List)
LEMON OIL TERPENES (68917-33-9)
Listed on the Canadian DSL (Domestic Substances List)
LEMON OIL (8008-56-8)
Listed on the Canadian DSL (Domestic Substances List)
LIME OIL (8008-26-2)
Listed on the Canadian DSL (Domestic Substances List)
LITSEA CUBEBA OIL (68855-99-2)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

WARNING:

No additional information available

15.3. US State regulations

This product can expose you to safrole, 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 eugenyl methyl ether, 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.

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.

SECTION 16: Other information

Revision date

: 04/07/2022

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text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child

SDS US (GHS HazCom 2012) - Lebermuth

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.



Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 12/18/2019 Revision date: 12/18/2019 Version: 1.2

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: OIL, FOCUS BLEND*
CAS-No.	: N/A
Product code	: 90-3042-95
1.2. Recommended use an	nd restrictions on use
No additional information availabl	e
1.3. Supplier	
The Lebermuth Company 4004 Technology Drive South Bend, IN 46628 - United St T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.leber	
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) ide	entification
2.1. Classification of the s	ubstance or mixture
GHS US classification	
on concontration category	1B Causes severe skin burns and eye damage
Serious eye damage/eye irritation Skin sensitization, Category 1 Reproductive toxicity Category 2 Specific target organ toxicity (sing	Category 1 Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child
Serious eye damage/eye irritation Skin sensitization, Category 1 Reproductive toxicity Category 2 Specific target organ toxicity (sing Aspiration hazard Category 1 2.2. GHS Label elements,	Category 1 Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child le exposure) Category 2 May cause damage to organs
GHS US labeling	Category 1 Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child le exposure) Category 2 May cause damage to organs May be fatal if swallowed and enters airways
Serious eye damage/eye irritation Skin sensitization, Category 1 Reproductive toxicity Category 2 Specific target organ toxicity (sing Aspiration hazard Category 1 2.2. GHS Label elements, GHS US labeling	Category 1 Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child le exposure) Category 2 May cause damage to organs May be fatal if swallowed and enters airways
Serious eye damage/eye irritation Skin sensitization, Category 1 Reproductive toxicity Category 2 Specific target organ toxicity (sing Aspiration hazard Category 1 2.2. GHS Label elements,	Category 1 Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child le exposure) Category 2 May cause damage to organs May be fatal if swallowed and enters airways including precautionary statements : : : : : :
Serious eye damage/eye irritation Skin sensitization, Category 1 Reproductive toxicity Category 2 Specific target organ toxicity (sing Aspiration hazard Category 1 2.2. GHS Label elements, GHS US labeling Hazard pictograms (GHS US)	Category 1Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child le exposure) Category 2May cause damage to organs May be fatal if swallowed and enters airwaysIncluding precautionary statements i

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Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center or doctor.
If swallowed: rinse mouth. Do NOT induce vomiting. 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 inhaled: Remove person to fresh air and keep comfortable for breathing.
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: Call a poison center or doctor.
If exposed or concerned: Get medical advice/attention.
Immediately call a poison center or doctor.
Specific treatment (see supplemental first aid instruction on this label).
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
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.

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
ROSEMARY OIL	(CAS-No.) 8000-25-7	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 STOT SE 2, H371 Asp. Tox. 1, H304
PEPPERMINT OIL	(CAS-No.) 8006-90-4	25 – 50	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
LAVANDIN GROSSO OIL	(CAS-No.) 8022-15-9	25 – 50	Flam. Liq. 4, H227 Eye Dam. 1, H318 Skin Sens. 1B, H317
THYME OIL	(CAS-No.) 8007-46-3	5 – 10	Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304
YLANG YLANG OIL III	(CAS-No.) 8006-81-3	1 – 5	Flam. Liq. 4, H227 Skin Sens. 1B, 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	: 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. Call a physician immediately.

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to First-aid measures after eve contact do. Continue rinsing. Call a physician immediately. : Rinse mouth. Do not induce vomiting. Call a physician immediately. First-aid measures after ingestion 42 Most important symptoms and effects (acute and delayed) Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction. Symptoms/effects after eye contact Serious damage to eyes. Symptoms/effects after ingestion : Burns. Risk of lung edema. Immediate medical attention and special treatment, if necessary 4.3. Treat symptomatically. SECTION 5: Fire-fighting measures Suitable (and unsuitable) extinguishing media 5.1. Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. 5.2. Specific hazards arising from the chemical Fire hazard : Flammable liquid and vapor. : Flammable liquid and vapor. Reactivity 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. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. 612 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. Methods and material for containment and cleaning up 6.3. 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 **Precautions for safe handling** 7.1. 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. 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. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed Hygiene measures out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Conditions for safe storage, including any incompatibilities 72 **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.

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SECTION 8: Exposure controls/personal protection
8.1. Control parameters
OIL, FOCUS BLEND* (N/A)
No additional information available
PEPPERMINT OIL (8006-90-4)
No additional information available
ROSEMARY OIL (8000-25-7)
No additional information available
LAVANDIN GROSSO OIL (8022-15-9)
No additional information available
THYME OIL (8007-46-3)
No additional information available
YLANG YLANG OIL III (8006-81-3)
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.

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
	: 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	: 60 °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

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Relative density	: 0.907 (0.897 – 0.917)
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	
Refractive index	: 1.468 (1.458 – 1.478)

SECTION 10: Stability and reactivity		
10.1. Reactivity		
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, haza	ardous decomposition products should not be produced.	
SECTION 11: Toxicological information	on	
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
PEPPERMINT OIL (8006-90-4)		
ATE US (oral)	2540 mg/kg body weight	
THYME OIL (8007-46-3)		
ATE US (oral)	2840 mg/kg body weight	
Skin corrosion/irritation	: Causes severe skin burns.	
Serious eye damage/irritation	: Causes serious eye damage.	
Respiratory or skin sensitization	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	
STOT-single exposure	: May cause damage to organs.	
	· · ·	
ROSEMARY OIL (8000-25-7) STOT-single exposure	May cause damage to organs.	
	may cause variage to organs.	

STOT-repeated exposure

: Not classified

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Aspiration hazard /iscosity, kinematic	May be fatal if swallowed and enters airways.No data available
Symptoms/effects after skin contact Symptoms/effects after eye contact	: Burns. May cause an allergic skin reaction. : Serious damage to eyes.
Symptoms/effects after ingestion	: Burns. Risk of lung edema.
SECTION 12: Ecological informati	on
I2.1. Toxicity	: Before neutralisation, the product may represent a danger to aquatic organisms.
Ecology - general	. Derore neutralisation, the product may represent a danger to aquaic organisms.
12.2. Persistence and degradability	
No additional information available	
2.3. Bioaccumulative potential	
No additional information available	
I2.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
lo additional information available	
SECTION 13: Disposal consideration	ions
No additional information available SECTION 13: Disposal considerati I3.1. Disposal methods Waste treatment methods	
SECTION 13: Disposal consideration	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 3.1. Disposal methods Vaste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) n accordance with DOT	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 3.1. Disposal methods Vaste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container.
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. On : UN 1266 PERFUMERY PRODUCTS, 3, III
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. ON UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids
SECTION 13: Disposal consideration 3.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. ON UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids III - substances presenting low danger
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. ON UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. ON UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids III - substances presenting low danger
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport document description (IMDG) UN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG) Limited quantities (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. ON UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids III - substances presenting low danger
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport by sea Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG) Limited quantities (IMDG) Air transport Transport document description (IATA)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. ON UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids III - substances presenting low danger 5 L
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport document description (IMDG) JN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG) Limited quantities (IMDG) Air transport Transport document description (IATA) JN-No. (IATA) Proper Shipping Name (IATA)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. In UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids III - substances presenting low danger 5 L UN 1266 Perfumery products, 3, III 1266 Perfumery products, 3, III
SECTION 13: Disposal consideration 13.1. Disposal methods Waste treatment methods Additional information SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not applicable Transport document description (IMDG) UN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG) Limited quantities (IMDG)	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapors may accumulate in the container. On UN 1266 PERFUMERY PRODUCTS, 3, III 1266 PERFUMERY PRODUCTS 3 - Flammable liquids III - substances presenting low danger 5 L UN 1266 Perfumery products, 3, III 1266

OIL, FOCUS BLEND*

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PEPPERMINT OIL (8006-90-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
ROSEMARY OIL (8000-25-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LAVANDIN GROSSO OIL (8022-15-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
THYME OIL (8007-46-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
YLANG YLANG OIL III (8006-81-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

PEPPERMINT OIL (8006-90-4)
Listed on the Canadian DSL (Domestic Substances List)
ROSEMARY OIL (8000-25-7)
Listed on the Canadian DSL (Domestic Substances List)
LAVANDIN GROSSO OIL (8022-15-9)
Listed on the Canadian DSL (Domestic Substances List)
THYME OIL (8007-46-3)
Listed on the Canadian DSL (Domestic Substances List)
YLANG YLANG OIL III (8006-81-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

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.

WARNING: This product can expose you to d-pulegone, 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 eugenyl methyl ether, 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

: 12/18/2019

OIL, FOCUS BLEND*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
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
H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs

SDS US (GHS HazCom 2012) - Lebermuth

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.



1.1.

1.2.

1.3.

OIL, REFRESH*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 03/01/2019 Revision date: 04/20/2023 Supersedes: 04/20/2023

Version: 1.3 **SECTION 1: Identification** Identification Product form : Mixture Product name : OIL, REFRESH* CAS-No. · N/A Product code : 90-3024-89 Recommended use and restrictions on use Supplier The Lebermuth Company

4004 Technology Drive South Bend, IN 46628 - United States T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.lebermuth.com 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 mixture

GHS US classification

Flammable liquids Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Skin sensitization, Category 1 Aspiration hazard Category 1

Flammable liquid and vapor Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction May be fatal if swallowed and enters airways

2.2. GHS Label elements, including precautionary statements

GHS US labeling	
Hazard pictograms (GHS US)	: CHS02 CHS07 CHS08
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
Precautionary statements (GHS US)	 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. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. 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

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and easy to do. Continue rinsing. 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.

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
D-LIMONENE	(CAS-No.) 5989-27-5	≥ 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LINALYL ACETATE	(CAS-No.) 115-95-7	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
LINALOOL	(CAS-No.) 78-70-6	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
MYRCENE	(CAS-No.) 123-35-3	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
delta-3-Carene	(CAS-No.) 13466-78-9	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
CITRAL	(CAS-No.) 5392-40-5	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT RE 2, H373

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	: 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 effect	s (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.

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4.3. Immediate medical attention and spec	cial treatment, if necessary	
Treat symptomatically.		
SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishin	ng media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Specific hazards arising from the che	mical	
Fire hazard	Flammable liquid and vapor.	
Reactivity	: Flammable liquid and vapor.	
5.3. Special protective equipment and pre	cautions 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 measu	Ires	
6.1. Personal precautions, protective equi	pment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. 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	t 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. 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/perso	nal protection	
8.1. Control parameters		

OIL, REFRESH* (N/A)
No additional information available
D-LIMONENE (5989-27-5)
No additional information available
MYRCENE (123-35-3)
No additional information available

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LINALOOL (78-70-6)	
No additional information available	
CITRAL (5392-40-5)	
USA - ACGIH - Occupational Exposure Lir	nits
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 2021
LINALYL ACETATE (115-95-7)	
No additional information available	
delta-3-Carene (13466-78-9)	
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.

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
Color	: YELLOW TO AMBER TO ORANGE
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	: 53 °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	: 0.849 (0.839 – 0.859)
Solubility	: Insoluble.

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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	
Refractive index	: 1.47 (1.46 – 1.48)
SECTION 10: Stability and reactivity	
10.1. Reactivity	

Flammable liquid and vapor.

10.2. **Chemical stability**

10.3.

Stable under normal conditions.

Possibility of hazardous reactions No dangerous reactions known under normal conditions of use.

Conditions to avoid 10.4.

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 in	formation
11.1. Information on toxicologica	Il effects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
D-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))
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)
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:
ATE US (dermal)	2250 mg/kg body weight
delta-3-Carene (13466-78-9)	
ATE US (oral)	4800 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.

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Respiratory or skin sensitization	: May cause an allergic skin reaction.			
Germ cell mutagenicity	: Not classified			
Carcinogenicity	: Not classified			
D-LIMONENE (5989-27-5)	1			
IARC group	3 - Not classifiable			
MYRCENE (123-35-3)				
IARC group	2B - Possibly carcinogenic to humans			
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:			
Reproductive toxicity	: Not classified			
STOT-single exposure	: Not classified			
STOT-repeated exposure	: Not classified			
MYRCENE (123-35-3)				
LOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)			
NOAEL (subchronic,oral,animal/male,90 days)	500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)			
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)			
CITRAL (5392-40-5)				
LOAEC (inhalation,rat,gas,90 days)	68 ppm Animal: rat, Animal sex: female			
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)			
NOAEC (inhalation,rat,gas,90 days)	34 ppm Animal: rat, Animal sex: female			
NOAEL (subchronic,oral,animal/male,90 days)	60 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)			
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.			
Aspiration hazard	: May be fatal if swallowed and enters airways.			
/iscosity, kinematic	: No data available			
	lade from Management of the state of the			
Symptoms/effects after skin contact Symptoms/effects after eye contact	: Irritation. May cause an allergic skin reaction.			
Symptoms/effects after ingestion	: Eye irritation. : Risk of lung edema.			
symptoms/enects after ingestion	. Also of ung eventa.			
SECTION 12: Ecological information				
I2.1. Toxicity				
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.			
D-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			
ErC50 algae 0.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitat Static system, Fresh water, Experimental value, GLP)				
MYRCENE (123-35-3)				
	1.47 mg/l Test organisme (aposice): Dephric magne			

EC50 - Crustacea [1]

1.47 mg/l Test organisms (species): Daphnia magna

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CITRAL (5392-40-5)		
LC	50 - Fish [1]	6.78 mg/l Test organisms (species): Leuciscus idus
EC	C50 - Crustacea [1]	6.8 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

D-LIMONENE (5989-27-5)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance
MYRCENE (123-35-3)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

D-LIMONENE (5989-27-5)		
BCF - Fish [1]	864.8 I/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	t n-octanol/water (Log Pow) 4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)	
Bioaccumulative potentialPotential for bioaccumulation ($4 \le Log \text{ Kow} \le 5$).		
MYRCENE (123-35-3)		
Partition coefficient n-octanol/water (Log Pow) 5.285 (Literature, 25 °C)		
Bioaccumulative potential	Imulative potential High potential for bioaccumulation (Log Kow > 5).	

12.4. Mobility in soil

D-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.	
MYRCENE (123-35-3)		
Ecology - soil	No (test)data on mobility of the substance available.	

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	าร
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)	: UN1266 Perfumery products (Regulated for Bulk Only), 3, III
UN-No.(DOT)	: UN1266
Proper Shipping Name (DOT)	: Perfumery products
	(Regulated for Bulk Only)
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 3 - Flammable liquid
	rammet Louis

EN (English US)

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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
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
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.
Transportation of Dangerous Goods	
Transport document description (TDG)	: UN1266 PERFUMERY PRODUCTS (Regulated for Bulk Only), 3, III
UN-No. (TDG)	: UN1266
Proper Shipping Name (TDG)	: PERFUMERY PRODUCTS
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Packing group (TDG)	: III - Minor Danger
TDG Special Provisions	: 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass).
Explosive Limit and Limited Quantity Index	: 5L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Transport by sea	
Transport document description (IMDG)	: UN 1266 PERFUMERY PRODUCTS, 3, III
UN-No. (IMDG)	: 1266
Proper Shipping Name (IMDG)	: PERFUMERY PRODUCTS
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 1266 Perfumery products, 3, III
UN-No. (IATA)	: 1266
Proper Shipping Name (IATA)	: Perfumery products
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Low danger
SECTION 15: Populatory information	

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

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15.2. International regulations

CANADA

D-LIMONENE (5989-27-5)
Listed on the Canadian DSL (Domestic Substances List)
MYRCENE (123-35-3)
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)
LINALYL ACETATE (115-95-7)
Listed on the Canadian DSL (Domestic Substances List)
delta-3-Carene (13466-78-9)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

D-LIMONENE (5989-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

MYRCENE (123-35-3)

Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

LINALOOL (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

CITRAL (5392-40-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

LINALYL ACETATE (115-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

delta-3-Carene (13466-78-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

15.3. US State regulations

This product can expose you to hexane - impurity, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: This product can expose you to furocoumarines (e. g. trioxysalen (inn), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. in sunprotection and in bronzing products, furocoumarines shall be below 1 mg/kg, 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 : 04/20/2023

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text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
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
H320	Causes eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012) - Lebermuth

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.



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SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: OIL, RELAX*
CAS-No.	: N/A
Product code	: 90-3024-84
1.2. Recommended use and restrictions	on use
1.3. Supplier	
The Lebermuth Company 4004 Technology Drive South Bend, IN 46628 - United States T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.lebermuth.com	
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 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Skin sensitization, Category 1 Reproductive toxicity Category 2 Aspiration hazard Category 1	Combustible liquid Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction Suspected of damaging fertility or the unborn child May be fatal if swallowed and enters airways
2.2. GHS Label elements, including prec	autionary statements
GHS US labeling	
Hazard pictograms (GHS US)	GHS07 GHS08
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	 Combustible liquid 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
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/vapors/spray. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. 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 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. Specific treatment (see supplemental first aid instruction on this label).

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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.

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
d-Limonene	(CAS-No.) 5989-27-5	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LINALYL ACETATE	(CAS-No.) 115-95-7	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
LINALOOL	(CAS-No.) 78-70-6	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
ALPHA-PINENE	(CAS-No.) 80-56-8	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
MYRCENE	(CAS-No.) 123-35-3	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
delta-3-Carene	(CAS-No.) 13466-78-9	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
GAMMA-TERPINENE	(CAS-No.) 99-85-4	0.1 – 1	Flam. Liq. 3, H226 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 measures	
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	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effect	ts (acute and delayed)
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Symptoms/effects after ingestion : Risk of lung edema. Immediate medical attention and special treatment, if necessary 4.3. Treat symptomatically. SECTION 5: Fire-fighting measures Suitable (and unsuitable) extinguishing media 5.1. : Water spray. Dry powder. Foam. Carbon dioxide. Suitable extinguishing media Specific hazards arising from the chemical 5.2. 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 : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin Emergency procedures and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. 6.1.2. For emergency responders Do not attempt to take action without suitable protective equipment. For further information Protective equipment refer to section 8: "Exposure controls/personal protection". 62 **Environmental precautions** Avoid release to the environment. Methods and material for containment and cleaning up 6.3 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. **Reference to other sections** 64 For further information refer to section 13. SECTION 7: Handling and storage Precautions for safe handling 7.1. 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. 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

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Storage conditions
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: Store in a well-ventilated place. Keep cool. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OIL, RELAX* (N/A)
No additional information available
d-Limonene (5989-27-5)
No additional information available
MYRCENE (123-35-3)
No additional information available

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ALPHA-PINENE (80-56-8)			
USA - ACGIH - Occupational Exposure Limits			
Local name	α-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 2022		
LINALYL ACETATE (115-95-7)			
No additional information available			
GAMMA-TERPINENE (99-85-4)			
No additional information available			
LINALOOL (78-70-6)			
No additional information available			
delta-3-Carene (13466-78-9)			
No additional information available			

8.2. Appropriate engineering controls

Appropriate engineering controls

Environmental exposure controls

: Avoid release to the environment.

: Ensure good ventilation of the work station.

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 Information on basic physical and chemical properties 9.1. Physical state : Liquid Color : YELLOW TO ORANGE CHARACTERISTIC, MATCHING RETAINER SAMPLE Odor Odor threshold No data available pН : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available : 63 °C Flash point 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 : 0.862 (0.852 - 0.872) Solubility : Insoluble. EN (English US) 09/23/2022 4/10

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No data available
No data available

Refractive index

: 1.465 (1.455 - 1.475)

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	on
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
d-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))
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)
ALPHA-PINENE (80-56-8)	
LD50 oral rat	> 500 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 01 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Skin, 14 day(s))
ATE US (oral)	500 mg/kg body weight
GAMMA-TERPINENE (99-85-4)	
ATE US (oral)	3850 mg/kg body weight
LINALOOL (78-70-6)	
ATE US (oral)	2790 mg/kg body weight
delta-3-Carene (13466-78-9)	
ATE US (oral)	4800 mg/kg body weight
ATE US (gases)	4500 ppmV/4h

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delta-3-Carene (13466-78-9)	
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
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
Carcinogenicity	: Not classified
d-Limonene (5989-27-5)	
IARC group	3 - Not classifiable
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	: Not classified
MYRCENE (123-35-3)	
LOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/male,90 days)	500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
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.
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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.
d-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	
ErC50 algae	0.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
MYRCENE (123-35-3)		
EC50 - Crustacea [1]	1.47 mg/l Test organisms (species): Daphnia magna	
ALPHA-PINENE (80-56-8)		
LC50 - Fish [1]	0.303 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)	
EC50 - Crustacea [1]	0.475 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, Locomotor effect)	

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12.2. Persistence and degradability	
d-Limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance
MYRCENE (123-35-3)	
Persistence and degradability	Readily biodegradable in water.
ALPHA-PINENE (80-56-8)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

d-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 ($4 \le Log \text{ Kow} \le 5$).	
MYRCENE (123-35-3)		
Partition coefficient n-octanol/water (Log Pow)	5.285 (Literature, 25 °C)	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).	
ALPHA-PINENE (80-56-8)		
BCF - Other aquatic organisms [1]	1233.1 – 1248 l/kg (BCFBAF v3.01, Read-across, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	4.487 (Experimental value, Equivalent or similar to OECD 107, 25 °C)	
Bioaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).	

12.4. Mobility in soil

d-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.
MYRCENE (123-35-3)	
Ecology - soil	No (test)data on mobility of the substance available.
ALPHA-PINENE (80-56-8)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.009 – 3.853 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	ons	
13.1. Disposal methods		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
SECTION 14: Transport informatio	n	
Department of Transportation (DOT)		
In accordance with DOT		
Transport document description (DOT)	: NA1993 Combustible liquid, n.o.s. (d-Limonene, Linalyl acetate) - Regulated for Bulk only, Comb Liq, III	
UN-No.(DOT)	: NA1993	
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s.	
	(d-Limonene, Linalyl acetate) - Regulated for Bulk only	
Class (DOT)	: Comb Liq - Combustible liquid	
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Packing group (DOT)	:	III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Symbols	:	D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	:	148 - For domestic transportation, this entry directs to § 173.66 for: a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV) and b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e, a multipurpose bulk truck (MBT)). 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 liquid 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). T1 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
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.
Other information		No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations No additional information available

15.2. International regulations
CANADA
d-Limonene (5989-27-5)
Listed on the Canadian DSL (Domestic Substances List)
MYRCENE (123-35-3)
Listed on the Canadian DSL (Domestic Substances List)
ALPHA-PINENE (80-56-8)
Listed on the Canadian DSL (Domestic Substances List)

LINALYL ACETATE (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

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GAMMA-TERPINENE (99-8	5-4)	
Listed on the Canadian DSL (Domestic Substances List)		
LINALOOL (78-70-6)		
Listed on the Canadian DSL	. (Domestic Substances List)	
delta-3-Carene (13466-78-9))	
Listed on the Canadian DSL	. (Domestic Substances List)	
EU-Regulations No additional information avai	lable	
National regulations		
d-Limonene (5989-27-5)		
	TSCA (Toxic Substances Contr ational Inventory of Chemical S	rol Act) inventory - Status: Active substances)
MYRCENE (123-35-3)		
Listed on the United States	al Agency for Research on Can TSCA (Toxic Substances Contr ational Inventory of Chemical S	rol Áct) inventory - Status: Active
ALPHA-PINENE (80-56-8)		
	TSCA (Toxic Substances Contrational Inventory of Chemical S	rol Act) inventory - Status: Active iubstances)
LINALYL ACETATE (115-9	5-7)	
Listed on the United States Listed on INSQ (Mexican Na	TSCA (Toxic Substances Contr ational Inventory of Chemical S	rol Act) inventory - Status: Active iubstances)
GAMMA-TERPINENE (99-8	5-4)	
	TSCA (Toxic Substances Contr ational Inventory of Chemical S	rol Act) inventory - Status: Active substances)
LINALOOL (78-70-6)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)		
delta-3-Carene (13466-78-9))	
Listed on the United States	TSCA (Toxic Substances Conti	rol Act) inventory - Status: Active
		ane - impurity, which is known to the State of California to cause birth defects or other ation go to www.P65Warnings.ca.gov.
	product can expose you to myrc www.P65Warnings.ca.gov.	cene, which is known to the State of California to cause cancer. For more information
Component		State or local regulations
ALPHA-PINENE(80-56-8)		U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

Revision date

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I text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child

SDS US (GHS HazCom 2012) - Lebermuth

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.



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	late: 02/09/2019 Revision date: 04/07/2022 Supersedes: 02/09/2019 Version: 1.2
SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: OIL, RISE & SHINE EO BLEND*
CAS-No.	: N/A
Product code	: 90-3035-86
1.2. Recommended use and restriction	is on use
1.3. Supplier	
The Lebermuth Company 4004 Technology Drive South Bend, IN 46628 - United States T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.lebermuth.com	
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) identificatio	n
2.1. Classification of the substance or	mixture
GHS US classification	
Flammable liquids Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Skin sensitization, Category 1 Reproductive toxicity Category 2 Aspiration hazard Category 1	Flammable liquid and vapor Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction Suspected of damaging fertility or the unborn child May be fatal if swallowed and enters airways
2.2. GHS Label elements, including pro	ecautionary statements
GHS US labeling Hazard pictograms (GHS US)	
Signal word (GHS US)	GHS02 GHS07 GHS08 : 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
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. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center or doctor.

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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. 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

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
TANGERINE OIL	(CAS-No.) 8016-85-1	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
LITSEA CUBEBA OIL	(CAS-No.) 68855-99-2	25 – 50	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
PEPPERMINT OIL	(CAS-No.) 8006-90-4	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
LEMON OIL	(CAS-No.) 8008-56-8	10 – 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304
LEMON OIL TERPENES	(CAS-No.) 68917-33-9	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304
PATCHOULI OIL	(CAS-No.) 8014-09-3	1 – 5	Asp. Tox. 1, H304

with local, regional, national and/or international regulation.

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	: 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.

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4.2.	Most important symptoms and effects	(acute and delayed)
Symptom	s/effects after skin contact	Irritation. May cause an allergic skin reaction.
Symptom	s/effects after eye contact	Eye irritation.
Symptom	s/effects after ingestion :	Risk of lung edema.
4.3.	Immediate medical attention and spec	ial treatment, if necessary
Treat syn	nptomatically.	
SECTIO	ON 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishin	g media
		Water spray. Dry powder. Foam. Carbon dioxide.
5.2.		
Fire haza	Specific hazards arising from the cher	Flammable liquid and vapor.
Reactivity		Flammable liquid and vapor.
5.3.	Special protective equipment and prec	
Protection	n during firefighting :	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTIO	ON 6: Accidental release measu	res
6.1.	Personal precautions, protective equip	oment and emergency procedures
6.1.1.	For non-emergency personnel	
		Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
6.1.2.	For emergency responders	
Protective	e 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 rele	ease 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 info	ormation :	Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furthe	er information refer to section 13.	
SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
	ns for safe handling	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open
Frecaulto	ns for sale handling	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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene i	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	I measures :	Ground/bond container and receiving equipment.
Storage of	conditions :	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
SECTIO	ON 8: Exposure controls/persor	al protection

8.1. Control parameters

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OIL, RISE & SHINE EO BLEND* (N/A)
No additional information available
LEMON OIL TERPENES (68917-33-9)
No additional information available
LEMON OIL (8008-56-8)
No additional information available
LITSEA CUBEBA OIL (68855-99-2)
No additional information available
PATCHOULI OIL (8014-09-3)
No additional information available
PEPPERMINT OIL (8006-90-4)
No additional information available
TANGERINE OIL (8016-85-1)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls

: Avoid release to the environment.

: Ensure good ventilation of the work station.

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 chemica	I properties
9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
Color	: YELLOW TO AMBER TO ORANGE
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	: 55 °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	: 0.864 (0.854 – 0.874)

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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	

Refractive index

: 1.474 (1.464 – 1.484)

I tellactive lindex	1.177 + (1.107 - 1.107)	
SECTION 10: Stability and reactivity		
10.1. Reactivity		
Flammable liquid and vapor.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal co	onditions of use.	
10.4. Conditions to avoid		
Avoid contact with hot surfaces. Heat. No flame	s, no sparks. Eliminate all sources of ignition.	
10.5. Incompatible materials		
No additional information available		
	s izardous decomposition products should not be produced.	
-		
SECTION 11: Toxicological informa		
11.1. Information on toxicological effects	s : Not classified	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified	
LEMON OIL (8008-56-8)		
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicil Remarks on results: other:	ty),
LD50 dermal rabbit	> 10000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Derma Toxicity), Remarks on results: other:	I
LITSEA CUBEBA OIL (68855-99-2)		
ATE US (dermal)	4800 mg/kg body weight	
PEPPERMINT OIL (8006-90-4)		
ATE US (oral)	2540 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	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	
-		
STOT-single exposure	: Not classified	
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STOT-repeated exposure	: Not classified
Aspiration hazard Viscosity, kinematic	May be fatal if swallowed and enters airways.No data available
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Irritation. May cause an allergic skin reaction. Eye irritation. Risk of lung edema.

SECTION 12. ECOlogical informatic	11
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerat	tions	
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	on	
Department of Transportation (DOT)		
In accordance with DOT		
Not regulated		
Transportation of Dangerous Goods		
Not applicable		
μ		
Transport by sea		
Transport document description (IMDG)	: UN 1266 PERFUMERY PRODUCTS, 3, III	
UN-No. (IMDG)	: 1266	
Proper Shipping Name (IMDG)	: PERFUMERY PRODUCTS	
Class (IMDG)	: 3 - Flammable liquids	
Packing group (IMDG)	: III - substances presenting low danger	
Limited quantities (IMDG)	: 5L	
Air transport		
Transport document description (IATA)	: UN 1266 Perfumery products, 3, III	
UN-No. (IATA)	1266	
Proper Shipping Name (IATA)	: Perfumery products	
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Class (IATA)
Packing group (IATA)

: 3 - Flammable Liquids : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

LEMON OIL TERPENES (68917-33-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LEMON OIL (8008-56-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LITSEA CUBEBA OIL (68855-99-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
PATCHOULI OIL (8014-09-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
PEPPERMINT OIL (8006-90-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
TANGERINE OIL (8016-85-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

EMON OIL TERPENES (68917-33-9)	
isted on the Canadian DSL (Domestic Substances List)	
EMON OIL (8008-56-8)	
isted on the Canadian DSL (Domestic Substances List)	
ITSEA CUBEBA OIL (68855-99-2)	
isted on the Canadian DSL (Domestic Substances List)	
PATCHOULI OIL (8014-09-3)	
isted on the Canadian DSL (Domestic Substances List)	
PEPPERMINT OIL (8006-90-4)	
isted on the Canadian DSL (Domestic Substances List)	
ANGERINE OIL (8016-85-1)	
isted 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 safrole, 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 d-pulegone, 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.

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SE	CTION 16: Other information	
Rev	ision date	: 04/07/2022
Full	text of H-phrases:	
	H226	Flammable liquid and vapor
	H227	Combustible liquid
	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
	H361	Suspected of damaging fertility or the unborn child

SDS US (GHS HazCom 2012) - Lebermuth

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.



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SECTION 1: Identification Identification 1.1. Product form : Mixture Product name : OIL, UNWIND BLEND II* CAS-No. N/A · Product code : 90-3036-67 Recommended use and restrictions on use 1.2. 1.3. Supplier The Lebermuth Company 4004 Technology Drive South Bend, IN 46628 - United States T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.lebermuth.com 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 mixture **GHS US classification**

Flammable liquids Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Skin sensitization, Category 1 Carcinogenicity Category 2 Reproductive toxicity Category 2 Aspiration hazard Category 1 Flammable liquid and vapor Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction Suspected of causing cancer Suspected of damaging fertility or the unborn child May be fatal if swallowed and enters airways

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

	GHS02	GHS07	GHS08
Signal word (GHS US)	: Danger		
Hazard statements (GHS US)	: Flammable liquid May be fatal if sw Causes skin irrita May cause an all Causes serious e Suspected of cau Suspected of dan	rallowed and ente tion ergic skin reaction eye irritation ising cancer	n
Precautionary statements (GHS US)	Keep away from I smoking. Keep container tig Ground/Bond cor Use explosion-pro Use only non-spa Take precautiona Avoid breathing c Wash hands, fore	til all safety preca heat, hot surfaces ghtly closed. ntainer and receiv oof electrical/vent rking tools. ry measures aga lust/fume/gas/mis earms and face th	utions have been read and understood. s, sparks, open flames and other ignition sources. No ing equipment. tilating/lighting equipment. inst static discharge.

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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. 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. If exposed of 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.
2.3.	Other hazards which do not result in	classification
	ditional information available	
2.4.	Unknown acute toxicity (GHS US)	
Not ap	plicable	
SECT	FION 3: Composition/Information	on ingredients
3.1.	Substances	

Not applicable

3.2. Mixtures

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Name	Product identifier	%	GHS US classification
LINALYL ACETATE	(CAS-No.) 115-95-7	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
LINALOOL	(CAS-No.) 78-70-6	10 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
Eucalyptol	(CAS-No.) 470-82-6	4.804 - 9.904	Flam. Liq. 3, H226 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
MENTHOL	(CAS-No.) 89-78-1	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320
L-MENTHONE	(CAS-No.) 14073-97-3	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317
β-Caryophyllene	(CAS-No.) 87-44-5	1.499 – 4.559	Skin Sens. 1B, H317 Asp. Tox. 1, H304
TERPINEOL	(CAS-No.) 8000-41-7	0.1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
D,L-Limonene	(CAS-No.) 138-86-3	0.1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
CITRONELLOL	(CAS-No.) 106-22-9	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
d,I-Isomenthone	(CAS-No.) 491-07-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1B, H317
GERANIOL	(CAS-No.) 106-24-1	0.1 – 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
p-Cymene	(CAS-No.) 99-87-6	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation:vapour), H331 Repr. 2, H361 Asp. Tox. 1, H304
GAMMA-TERPINENE	(CAS-No.) 99-85-4	0.1 – 1	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304
D-PULEGONE	(CAS-No.) 89-82-7	0.1 – 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Carc. 2, H351

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	: 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 ef	fects (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 and special treatment, if necessary

Treat symptomatically.

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SECT	ION 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguish	ning media
Suitable	e extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2.	Specific hazards arising from the ch	iemical
Fire ha	zard	: Flammable liquid and vapor.
Reactiv	vity	: Flammable liquid and vapor.
5.3.	Special protective equipment and p	recautions for fire-fighters
Protect	ion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECT	ION 6: Accidental release meas	sures
6.1.	Personal precautions, protective eq	uipment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerge	ency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
6.1.2.	For emergency responders	
Protect	ive 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 r	elease to the environment.	
6.3.	Methods and material for containme	ant and cleaning up
Method	ls for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other in	nformation	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furt	ther information refer to section 13.	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precau	tions 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygien	e 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, includi	ng any incompatibilities
Technie	cal measures	: Ground/bond container and receiving equipment.
Storage	e conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
SECT	ION 8: Exposure controls/pers	onal protection
8.1.	Control parameters	
OIL. I	JNWIND BLEND II* (N/A)	
	Iditional information available	
_		

No additional information available

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Eucalyptol (470-82-6)
No additional information available
CITRONELLOL (106-22-9)
No additional information available
GERANIOL (106-24-1)
No additional information available
GAMMA-TERPINENE (99-85-4)
No additional information available
o-Cymene (99-87-6)
No additional information available
TERPINEOL (8000-41-7)
No additional information available
D,L-Limonene (138-86-3)
No additional information available
d,I-Isomenthone (491-07-6)
No additional information available
MENTHONE (14073-97-3)
No additional information available
D-PULEGONE (89-82-7)
No additional information available
MENTHOL (89-78-1)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.

bls : 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 ph	ysical and chemical properties	
Physical state	: Liquid	
Color	: PALE YELLOW/AMBER TO YELLOW/AMBER	
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: Not applicable	

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	-
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 59 °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	: 0.901 (0.891 – 0.911)
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	

Refractive index

: 1.464 (1.454 - 1.474)

SECTION 10: Stability and reactivity		
10.1. Reactivity		
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, r	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, hazar	rdous decomposition products should not be produced.	
SECTION 11: Toxicological information	on	
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
LINALOOL (78-70-6)		
ATE US (oral)	2790 mg/kg body weight	
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	
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	

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5 5 7 7	
CITRONELLOL (106-22-9)	
ATE US (dermal)	2650 mg/kg body weight
GERANIOL (106-24-1)	
ATE US (oral)	3600 mg/kg body weight
GAMMA-TERPINENE (99-85-4)	
ATE US (oral)	3850 mg/kg body weight
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 (vapors)	3 mg/l/4h
TERPINEOL (8000-41-7)	
ATE US (oral)	4300 mg/kg body weight
d,I-Isomenthone (491-07-6)	
ATE US (oral)	2500 mg/kg body weight
L-MENTHONE (14073-97-3)	
ATE US (oral)	500 mg/kg body weight
D-PULEGONE (89-82-7)	
ATE US (oral)	470 mg/kg body weight
ATE US (dermal)	3090 mg/kg body weight
MENTHOL (89-78-1)	
ATE US (oral)	2500 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
Carcinogenicity	: Suspected of causing cancer.

D-PULEGONE (89-82-7)	
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	: Not classified
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)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
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Symptoms/effects after eye contact Symptoms/effects after ingestion	: Eye irritation. : 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.

β-Caryophyllene (87-44-5)		
EC50 - Crustacea [1]	> 0.17 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)	
CITRONELLOL (106-22-9)		
LC50 - Fish [1]	14.66 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value)	
EC50 - Crustacea [1]	17.48 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value)	
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)	
ErC50 algae	4.03 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)	

12.2. Persistence and degradability

Eucalyptol (470-82-6)		
Persistence and degradability	Readily biodegradable in water.	
CITRONELLOL (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	
-		
p-Cymene (99-87-6)		
Persistence and degradability	Readily biodegradable in water.	
TERPINEOL (8000-41-7)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	2.9 g O ₂ /g substance	

12.3. Bioaccumulative potential

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).	
CITRONELLOL (106-22-9)		
BCF - Fish [1]	82.59 l/kg (BCFBAF v3.00, Estimated value)	
Partition coefficient n-octanol/water (Log Pow)	3.41 (Practical experience/observation, EU Method A.8: Partition Coefficient, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

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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 ($4 \le Log \text{ Kow} \le 5$).	
TERPINEOL (8000-41-7)		
Partition coefficient n-octanol/water (Log Pow)	2.6	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

12.4. 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.	
CITRONELLOL (106-22-9)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.85 (log Koc, EPIWIN 2.00, Estimated value)	
Ecology - soil	Highly mobile in soil.	
p-Cymene (99-87-6)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.17 (log Koc, SRC PCKOCWIN v2.0, QSAR)	
Ecology - soil	Low potential for mobility in soil.	
TERPINEOL (8000-41-7)		
Ecology - soil	Highly mobile in soil.	

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideratio	ns
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)	: UN1266 Perfumery products (Regulated for Bulk only), 3, III
UN-No.(DOT)	: UN1266
Proper Shipping Name (DOT)	: Perfumery products
	(Regulated for Bulk only)
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 3 - Flammable liquid
	PLANMERE ELQUID
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242

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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, 31HD2, 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
		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 (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.
Transportation of Dangerous Goods		
Transport document description (TDG)	:	UN1266 PERFUMERY PRODUCTS (Regulated for Bulk only), 3, III
UN-No. (TDG)		UN1266
Proper Shipping Name (TDG)	:	PERFUMERY PRODUCTS
TDG Primary Hazard Classes	:	3 - Class 3 - Flammable Liquids
Packing group (TDG)		III - Minor Danger
TDG Special Provisions		59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass).
Explosive Limit and Limited Quantity Index	:	5L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	60 L
Transport by sea		
Transport document description (IMDG)	:	UN 1266 PERFUMERY PRODUCTS, 3, III
UN-No. (IMDG)	:	1266
Proper Shipping Name (IMDG)	:	PERFUMERY PRODUCTS
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	III - substances presenting low danger
Limited quantities (IMDG)	:	5 L
Air transport		
Transport document description (IATA)	:	UN 1266 Perfumery products, 3, III
UN-No. (IATA)	:	1266
Proper Shipping Name (IATA)	:	Perfumery products
Class (IATA)	:	3 - Flammable Liquids
Packing group (IATA)		III - Minor Danger
SECTION 15: Regulatory information		

15.1. US Federal regulations

TERPINEOL (8000-41-7)

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

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15.2. International regulations

LINALYL ACETATE (115-95-7)
Listed on the Canadian DSL (Domestic Substances List)
LINALOOL (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
β-Caryophyllene (87-44-5)
Listed on the Canadian DSL (Domestic Substances List)
Eucalyptol (470-82-6)
Listed on the Canadian DSL (Domestic Substances List)
CITRONELLOL (106-22-9)
Listed on the Canadian DSL (Domestic Substances List)
GERANIOL (106-24-1)
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)
TERPINEOL (8000-41-7)
Listed on the Canadian DSL (Domestic Substances List)
D,L-Limonene (138-86-3)
Listed on the Canadian DSL (Domestic Substances List)
d,I-Isomenthone (491-07-6)
Listed on the Canadian DSL (Domestic Substances List)
L-MENTHONE (14073-97-3)
Listed on the Canadian DSL (Domestic Substances List)
D-PULEGONE (89-82-7)
Listed on the Canadian DSL (Domestic Substances List)
MENTHOL (89-78-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations No additional information available

National regulations

LINALYL ACETATE (115-95-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
LINALOOL (78-70-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
β-Caryophyllene (87-44-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Eucalyptol (470-82-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

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5 5	er / Vol. 77, No. 58 / Monday, March 26, 20				
CITRONELLOL (106-	22-9)				
	tates TSCA (Toxic Substances Conti can National Inventory of Chemical S				
GERANIOL (106-24-1)				
Listed on the United S	itates TSCA (Toxic Substances Conti can National Inventory of Chemical S				
GAMMA-TERPINENE	E (99-85-4)				
Listed on the United S	itates TSCA (Toxic Substances Conti can National Inventory of Chemical S				
p-Cymene (99-87-6)					
Listed on the United S	tates TSCA (Toxic Substances Cont can National Inventory of Chemical S				
D,L-Limonene (138-8	6-3)				
	itates TSCA (Toxic Substances Cont can National Inventory of Chemical S				
d,I-Isomenthone (491	1-07-6)				
Listed on the United S	tates TSCA (Toxic Substances Cont	rol Act) inventory - Status: Active			
L-MENTHONE (14073	,				
Listed on the United S	tates TSCA (Toxic Substances Cont	rol Act) inventory - Status: Active			
D-PULEGONE (89-82	2-7)				
Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active					
MENTHOL (89-78-1)					
	itates TSCA (Toxic Substances Conti can National Inventory of Chemical S				
15.3. US State regulati					
		ane - impurity, which is known to the State of California to cause birth defects or other ation go to www.P65Warnings.ca.gov.			
	This product can expose you to euge information go to www.P65Warnings	enyl methyl ether, which is known to the State of California to cause cancer. For more .ca.gov.			
	This product can expose you to d-pu information go to www.P65Warnings	legone, which is known to the State of California to cause cancer. For more .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.					
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			
D,L-Limonene(138-86-3)		U.S New Jersey - Right to Know Hazardous Substance List			

SECTION 16: Other information

Revision date

: 09/20/2022

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text of H-phrases:		
H226	Flammable liquid and vapor	
H227	Combustible liquid	
H302	Harmful if swallowed	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H320	Causes eye irritation	
H331	Toxic if inhaled	
H351	Suspected of causing cancer	
H361	Suspected of damaging fertility or the unborn child	

SDS US (GHS HazCom 2012) - Lebermuth

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.