

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 06/06/2022 Revision date: 10/19/2022 Supersedes: 06/06/2022

SECTION 1: Identification Identification 1.1. : Mixture Product form Product name **OIL, BLACK TEA & BERGAMOT** Product code PBLKTEABERG 1.2. Recommended use and restrictions on use Supplier 1.3. The Essential Oil Company 5498 SE International Way Milwaukie, OR 97222 - United States T 800-729-5912 - F 503-872-8767 info@essentialoil.com - www.essentialoil.com 1.4. **Emergency telephone number** : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300 Emergency number CCN 13010 SECTION 2: Hazard(s) identification Classification of the substance or mixture 2.1. **GHS US classification** Skin corrosion/irritation Category 2 Causes skin irritation Serious eye damage/eye irritation Category 2 Causes serious eye irritation Skin sensitization, Category 1 May cause an allergic skin reaction Reproductive toxicity Category 2 Suspected of damaging fertility or the unborn child 2.2. GHS Label elements, including precautionary statements **GHS US labeling** Hazard pictograms (GHS US) GHS07 GHS08 Signal word (GHS US) Warning Hazard statements (GHS US) Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation Suspected of damaging fertility or the unborn child : Obtain special instructions before use. Precautionary statements (GHS US) Do not handle until all safety precautions have been read and understood. 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 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). 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. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Version: 1.1

Safety Data Sheet

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

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
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
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2- naphthalenyl)ethanone	(CAS-No.) 54464-57-2	5 – 10	Skin Irrit. 2, H315 Skin Sens. 1B, H317
D-LIMONENE	(CAS-No.) 5989-27-5	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
ETHYL VANILLIN	(CAS-No.) 121-32-4	1 – 5	Eye Irrit. 2B, H320
DIMETHYL HEPTANOL	(CAS-No.) 13254-34-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
GAMMA-TERPINENE	(CAS-No.) 99-85-4	0.1 – 1	Flam. Liq. 3, H226 Repr. 2, H361 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	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse 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	: Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	cts (acute and delayed)
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
4.3. Immediate medical attention and sp	ecial treatment, if necessary

Treat symptomatically.

SECT	ION 5: Fire-fighting measu	Ires
5.1.	Suitable (and unsuitable) extin	nguishing media
Suitable	e extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2.	Specific hazards arising from	the chemical
Reactiv	· .	: The product is non-reactive under normal conditions of use, storage and transport.
Reactiv	ity	. The product is non-reactive under normal conditions of use, storage and transport.
5.3.	,	and precautions for fire-fighters

Safety Data Sheet

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

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipm		
	/entilate spillage area. Avoid contact with skin and eyes. Avoid breathing ust/fume/gas/mist/vapors/spray.	
6.1.2. For emergency responders		
	oo not attempt to take action without suitable protective equipment. For further information effer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment an	nd cleaning up	
3 1	ake up liquid spill into absorbent material. Notify authorities if product enters sewers or public vaters.	
Other information : D	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		
	nsure good ventilation of the work station. Obtain special instructions before use. Do not	
h	andle until all safety precautions have been read and understood. Wear personal protective quipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.	
0	Vash contaminated clothing before reuse. Contaminated work clothing should not be allowed ut of the workplace. Do not eat, drink or smoke when using this product. Always wash hands fter handling the product.	
7.2. Conditions for safe storage, including an	y incompatibilities	
Storage conditions : S	tore locked up. Store in a well-ventilated place. Keep cool.	
SECTION 8: Exposure controls/persona	I protection	
8.1. Control parameters		
OIL, BLACK TEA & BERGAMOT		
No additional information available		
ETHYL VANILLIN (121-32-4)		
No additional information available		
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2	-naphthalenyl)ethanone (54464-57-2)	
No additional information available		
DIMETHYL HEPTANOL (13254-34-7)		
No additional information available		
CITRAL (5392-40-5)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Citral	
ACGIH OEL TWA [ppm]	5 ppm (IFV - Inhalable fraction and vapor)	
Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2021	
D-LIMONENE (5989-27-5)		
No additional information available		
GAMMA-TERPINENE (99-85-4)		
No additional information available		
LINALYL ACETATE (115-95-7)		
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No additional information available		

Safety Data Sheet

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

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 p	roperties
9.1. Information on basic physical and ch	
Physical state	: Liquid
Color	COLORLESS TO YELLOW
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE
Odor threshold	: No data available
pН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 94 °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	: 0.9054 (0.8954 – 0.9154)
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	: 1.45456 (1.44456 – 1.46456)
SECTION 10: Stability and reactivity	

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10.1. Reactivity

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

Safety Data Sheet

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

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10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal cor	nditions of use.
10.4. Conditions to avoid	
None under recommended storage and handling	conditions (see section 7).
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, haz	ardous decomposition products should not be produced.
SECTION 11: Toxicological informati	ion
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
ETHYL VANILLIN (121-32-4)	
LD50 oral rat	> 3160 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity),
	Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE US (oral)	3000 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
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))
GAMMA-TERPINENE (99-85-4)	
ATE US (oral)	3850 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
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:
D-LIMONENE (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified

Safety Data Sheet

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

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	: Not classified
∕iscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
ETHYL VANILLIN (121-32-4)	
LC50 - Fish [1]	87.6 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	26.2 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	5.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
DIMETHYL HEPTANOL (13254-34-7)	
LC50 - Fish [1]	23.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Other aquatic organisms [1]	24.18 mg/l Test organisms (species):
CITRAL (5392-40-5)	
LC50 - Fish [1]	6.78 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	6.8 mg/l Test organisms (species): Daphnia magna
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)

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

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 ($4 \le Log \text{ Kow} \le 5$).

12.4. Mobility in soil

Safety Data Sheet

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

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.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

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

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

ETHYL VANILLIN (121-32-4)

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

DIMETHYL HEPTANOL (13254-34-7)

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

15.2. International regulations CANADA

ETHYL VANILLIN (121-32-4)
Listed on the Canadian DSL (Domestic Substances List)
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)
Listed on the Canadian DSL (Domestic Substances List)
DIMETHYL HEPTANOL (13254-34-7)
Listed on the Canadian DSL (Domestic Substances List)
CITRAL (5392-40-5)
Listed on the Canadian DSL (Domestic Substances List)

Safety Data Sheet

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

-LIMONENE (5989-27-5)	
sted on the Canadian DSL (Domestic Substances List)	
AMMA-TERPINENE (99-85-4)	
sted on the Canadian DSL (Domestic Substances List)	
INALYL ACETATE (115-95-7)	
sted on the Canadian DSL (Domestic Substances List)	
-Regulations additional information available tional regulations	
-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)	
sted on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active sted on INSQ (Mexican National Inventory of Chemical Substances)	
ITRAL (5392-40-5)	
sted on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active sted on INSQ (Mexican National Inventory of Chemical Substances)	
-LIMONENE (5989-27-5)	
sted on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active sted on INSQ (Mexican National Inventory of Chemical Substances)	
AMMA-TERPINENE (99-85-4)	
sted on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active sted on INSQ (Mexican National Inventory of Chemical Substances)	
INALYL ACETATE (115-95-7)	
sted on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active sted on INSQ (Mexican National Inventory of Chemical Substances)	

15.3. US State regulations



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.

sion date	: 10/19/2022	
text.ef.H-phrases:		
	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	
	May cause an anergic skin reaction	
H319	Causes serious eye irritation	
H320	Causes eye irritation	
H361	Suspected of damaging fertility or the unborn child	
H373	May cause damage to organs through prolonged or repeated exposure	
11010	way cause damage to organs through protonged of repeated exposure	

Safety Data Sheet

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

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.