

Safety Data Sheet

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

Issue date: 11/29/2018 Revision date: 06/09/2022 Supersedes: 11/29/2018

Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : OIL, CEDARWOOD SAGE II*

CAS-No. : N/A
Product code : 90-3034-98

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 mixture

GHS US classification

Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1

Skin sensitization, Category 1 Reproductive toxicity Category 2 Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction

Suspected of damaging fertility or the unborn child

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)







GHS05

GHS07

GHS08

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

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.

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.

Immediately call a poison center or doctor.

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.
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

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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
BENZYL SALICYLATE	(CAS-No.) 118-58-1	10 – 25	Eye Irrit. 2B, H320 Skin Sens. 1B, H317
COUMARIN	(CAS-No.) 91-64-5	5 – 10	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Sens. 1B, H317
p-t-Butyl-α-methylhydrocinnamic aldehyde	(CAS-No.) 80-54-6	5 – 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361
ANISYL ALCOHOL	(CAS-No.) 105-13-5	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
GERANIOL	(CAS-No.) 106-24-1	1 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
BENZYL BENZOATE	(CAS-No.) 120-51-4	1 – 5	Acute Tox. 4 (Oral), H302
CEDARWOOD OIL	(CAS-No.) 68990-83-0	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	(CAS-No.) 54464-57-2	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
p-Anisyl acetate	(CAS-No.) 104-21-2	1 – 5	Skin Sens. 1B, H317
DIHYDROMYRCENOL	(CAS-No.) 18479-58-8	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
SAGE OIL	(CAS-No.) 8016-63-5	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
CARROT SEED OIL	(CAS-No.) 8015-88-1	0.1 – 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, 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 : 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. Call a physician immediately.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

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

Symptoms/effects after eye contact : Serious damage to eyes.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

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

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. 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.

Methods and material for containment and cleaning up

Methods for cleaning up Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters

Other information Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

: Ensure good ventilation of the work station. Obtain special instructions before use. Do not Precautions for safe handling

handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

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

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

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

OIL, CEDARWOOD SAGE II* (N/A)

No additional information available

COUMARIN (91-64-5)

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

ANISYL ALCOHOL (105-13-5)

No additional information available

p-Anisyl acetate (104-21-2)

No additional information available

BENZYL SALICYLATE (118-58-1)

No additional information available

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DIHYDROMYRCENOL (18479-58-8)

No additional information available

BENZYL BENZOATE (120-51-4)

No additional information available

GERANIOL (106-24-1)

No additional information available

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)

No additional information available

CARROT SEED OIL (8015-88-1)

No additional information available

CEDARWOOD OIL (68990-83-0)

No additional information available

SAGE OIL (8016-63-5)

No additional information available

8.2. Appropriate engineering controls

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

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : COLORLESS TO PALE YELLOW

Odor : CHARACTERISTIC, MATCHING RETAINER SAMPLE

Odor threshold : No data available pH : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available : No data available

Flash point : 129 °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 : 0.971 (0.961 – 0.981)

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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 : 1.48 (1.47 – 1.49)

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

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, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

COUMARIN (91-64-5)	
LD50 oral rat	293 mg/kg body weight Animal: rat, Guideline: other:
LD50 dermal rat	293 mg/kg body weight Animal: rat, Guideline: other:
ATE US (oral)	293 mg/kg body weight
ATE US (dermal)	293 mg/kg body weight

ANISYL ALCOHOL (105-13-5)

ATE US (dermal)	3000 mg/kg body weight
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BENZYL SALICYLATE (118-58-1)	
LD50 oral rat	2227 mg/kg (Rat)
LD50 dermal rabbit	14150 mg/kg (Rabbit)
ATE US (oral)	2200 mg/kg body weight
ATF US (dermal)	14150 mg/kg body weight

DIHYDROMYRCENOL (18479-58-8)

BENZYL BENZOATE (120-51-4)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bw/day (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
ATE US (oral)	1500 mg/kg body weight
ATE US (dermal)	4000 mg/kg body weight

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GERANIOL (106-24-1)	
LD50 oral rat	3600 mg/kg body weight (Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Experimental value)
ATE US (oral)	3600 mg/kg body weight
p-t-Butyl-α-methylhydrocinnamic ald	ehyde (80-54-6)
ATE US (oral)	1390 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
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
COUMARIN (91-64-5)	
IARC group	3 - Not classifiable

NOAEL (chronic,oral,animal/male,2 years) 60 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:	e 453

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

COUMARIN (91-64-5)	
NOAEL (subchronic,oral,animal/female,90 days)	> 138.3 mg/kg body weight Animal: mouse, Animal sex: female

GERANIOL (106-24-1)	
NOAEL (dermal,rat/rabbit,90 days)	300 mg/kg body weight Animal: rat, Guideline: other:, Guideline: other:

Aspiration hazard : Not classified 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.

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.

COUMARIN (91-64-5)	
LC50 - Fish [1]	2.94 mg/l Test organisms (species):
EC50 - Crustacea [1]	8012 mg/l Test organisms (species): Daphnia sp.
LC50 - Fish [2]	1324 mg/l Test organisms (species):
NOEC (chronic)	0.5 mg/l Test organisms (species): Duration: '21 d'
NOEC chronic fish	0.191 mg/l Test organisms (species): Duration: '30 d'

BENZYL BENZOATE (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
00/00/0000	FAL(Fa-rii-b-110)

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BENZYL BENZOATE (120-51-4)	
EC50 - Crustacea [1]	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
GERANIOL (106-24-1)	
LC50 - Fish [1]	> 9.8 mg/l (LC50; 96 h)
EC50 - Crustacea [1]	10.8 mg/l Test organisms (species): Daphnia magna
p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)	
LC50 - Fish [1]	2.04 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Flow-through system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	10.7 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability

BENZYL SALICYLATE (118-58-1)		
Persistence and degradability	Biodegradability in water: no data available.	
DIHYDROMYRCENOL (18479-58-8)		
Persistence and degradability	Biodegradability in water: no data available.	
BENZYL BENZOATE (120-51-4)		
Persistence and degradability	Readily biodegradable in water.	
GERANIOL (106-24-1)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	2.9 g O ₂ /g substance	
p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)		
Persistence and degradability	Readily biodegradable in water.	

12.3. Bioaccumulative potential

BENZYL SALICYLATE (118-58-1)		
Partition coefficient n-octanol/water (Log Pow) 4.31 (Estimated value)		
DIHYDROMYRCENOL (18479-58-8)		
Partition coefficient n-octanol/water (Log Pow)	3.47 (Estimated value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
BENZYL BENZOATE (120-51-4)		
BCF - Fish [1]	193.4 l/kg (BCFBAF v3.01, Pisces, Calculated value)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
GERANIOL (106-24-1)		
Bioaccumulative potential	No bioaccumulation data available.	
p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)		
Partition coefficient n-octanol/water (Log Pow)	4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)	
Bioaccumulative potential	Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).	

12.4. Mobility in soil

DIHYDROMYRCENOL (18479-58-8)	
Ecology - soil	No (test)data on mobility of the substance available.
BENZYL BENZOATE (120-51-4)	
Surface tension	27 mN/m (210 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Low potential for mobility in soil.

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p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.11 (log Koc, PCKOCWIN v1.66, 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

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Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

COUMARIN (91-64-5)

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

ANISYL ALCOHOL (105-13-5)

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

p-Anisyl acetate (104-21-2)

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

BENZYL SALICYLATE (118-58-1)

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

BENZYL BENZOATE (120-51-4)

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

$p\text{-t-Butyl-}\alpha\text{-methylhydrocinnamic aldehyde (80-54-6)}$

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

CARROT SEED OIL (8015-88-1)

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

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CEDARWOOD OIL (68990-83-0)

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

SAGE OIL (8016-63-5)

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

15.2. International regulations

CANADA

COUMARIN (91-64-5)

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)

ANISYL ALCOHOL (105-13-5)

Listed on the Canadian DSL (Domestic Substances List)

p-Anisyl acetate (104-21-2)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL SALICYLATE (118-58-1)

Listed on the Canadian DSL (Domestic Substances List)

DIHYDROMYRCENOL (18479-58-8)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL BENZOATE (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

GERANIOL (106-24-1)

Listed on the Canadian DSL (Domestic Substances List)

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)

Listed on the Canadian DSL (Domestic Substances List)

CARROT SEED OIL (8015-88-1)

Listed on the Canadian DSL (Domestic Substances List)

CEDARWOOD OIL (68990-83-0)

Listed on the Canadian DSL (Domestic Substances List)

SAGE OIL (8016-63-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)

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

DIHYDROMYRCENOL (18479-58-8)

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

GERANIOL (106-24-1)

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



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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SECTION 16: Other information

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Full text of H-phrases:

TOX OTT PHILOCO.		
H227	Combustible liquid	
H301	Toxic if swallowed	
H302	Harmful if swallowed	
H304	May be fatal if swallowed and enters airways	
H311	Toxic in contact with skin	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H320	Causes 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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