



OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Issue date: 12/05/2019

Revision date: 03/14/2024

Supersedes: 01/10/2022

Version: 1.2

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : OIL, JO MALONE GRAPEFRUIT TYP*
CAS-No. : N/A
Product code : 95-5009-15
Product group : Trade product

1.2. Recommended use and restrictions on use

1.3. Supplier

The Lebermuth Company
4004 Technology Drive
46628 South Bend, IN - 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 identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin sensitization, H317
Category 1
Reproductive toxicity H361
Category 2

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Warning

Hazard statements (GHS CA) : H317 - May cause an allergic skin reaction
H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS CA) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
ALPHA HEXYLCINNAMALDEHYDE		(CAS-No.) 101-86-0	5 – 10	Skin Sens. 1B, H317
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol		(CAS-No.) 63500-71-0	5 – 10	Eye Irrit. 2A, H319
2,4,6-Trimethyl-4-phenyl-1,3-dioxane		(CAS-No.) 5182-36-5	1 – 5	Acute Tox. 4 (Oral), H302
AMYL CINNAMAL		(CAS-No.) 122-40-7	1 – 5	Skin Sens. 1B, H317
GERANYL ACETATE	2,6-dimethyl-2,6-octadien-8-yl ethanoate, trans- / 2,6-dimethyl-2,6-octadiene-8-yl acetate, trans / 2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (E)- / 2,6-octadien-1-ol, 3,7-dimethyl-, acetate, trans- / 3,7-dimethyl-2,6-octadien-1-ol, acetate, trans- / 3,7-dimethyl-2,6-octadien-1-yl acetate,trans / 3,7-dimethyl-2,6-octadienyl acetate, trans- / 3,7-dimethyl-2-trans, 6-octadienyl acetate / 3,7-dimethylocta-2,6-dien-1-yl-acetate, trans / 3,7-dimethyl-trans-2,6-octadien-1-yl-acetate, mixture of isomers / acetic acid, geraniol ester, trans / bay pine (oyster) oil, trans / beta-geranyl acetate / FEMA number 2509 / geraniol acetate, trans / geranyl acetate / geranyl acetate, trans- / geranyl ethanoate, trans / trans-, geranyl ethanoate / trans-2,6-dimethyl-2,6-octadien-8-yl ethanoate / trans-3,7-dimethyl-2,6-octadien-1-ol, acetate / trans-3,7-dimethyl-2,6-octadien-1-yl acetate / trans-3,7-dimethyl-2,6-octadienyl acetate / trans-3,7-dimethylocta-2,6-dien-1-yl-acetate	(CAS-No.) 105-87-3	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
LINALYL ACETATE		(CAS-No.) 115-95-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
3-(o-Ethylphenyl)-2,2-dimethylpropionaldehyde		(CAS-No.) 67634-14-4	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
α-Methyl-1,3-benzodioxole-5-propionaldehyde		(CAS-No.) 1205-17-0	0.1 – 1	Skin Sens. 1B, H317 Repr. 2, H361
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 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 eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.
- First-aid measures general : IF exposed or concerned: Get medical advice/attention.

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

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

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Unsuitable extinguishing media

5.3. Specific hazards arising from the hazardous product

5.4. Special protective equipment and precautions for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

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

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

6.3. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CITRAL (5392-40-5)		
USA - ACGIH	ACGIH OEL TWA [ppm]	5 ppm (IFV - Inhalable fraction and vapor)
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
USA - ACGIH	Regulatory reference	ACGIH 2023
PINENE (80-56-8)		
USA - ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
USA - ACGIH	Regulatory reference	ACGIH 2023
BETA-PINENE (127-91-3)		
USA - ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
USA - ACGIH	Regulatory reference	ACGIH 2023

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

OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: COLORLESS TO YELLOW
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 112 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Vapor pressure at 50°C	: No data available
Relative density	: 0.939 (0.929 – 0.949)
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosion limits	: No data available

9.2. Other information

Refractive index	: 1.471 (1.461 – 1.481)
------------------	-------------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
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

OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

HEXYL CINNAMIC ALDEHYDE ALPHA (101-86-0)	
LD50 oral	3100 mg/kg body weight
ATE CA (oral)	3100 mg/kg body weight
Amyl Cinnamic Aldehyde (122-40-7)	
LD50 oral	3730 mg/kg body weight
ATE CA (oral)	3730 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:
GERANYL ACETATE PRIME (105-87-3)	
LD50 oral rat	6300 mg/kg (Rat, Oral)
ATE CA (oral)	6300 mg/kg body weight
HELIONAL (1205-17-0)	
LD50 oral	3562 mg/kg body weight
ATE CA (oral)	3562 mg/kg body weight
VERTACETAL (5182-36-5)	
LD50 oral	880 mg/kg body weight
ATE CA (oral)	880 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
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:
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
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.
GERANYL ACETATE PRIME (105-87-3)	
NOAEL (oral,rat,90 days)	2000 mg/kg body weight Animal: rat, Guideline: other:
Aspiration hazard	: Not classified
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

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
EC50 72h - Algae [1]	103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

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

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

GERANYL ACETATE PRIME (105-87-3)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \leq \log K_{ow} \leq 5$).
BCF - Other aquatic organisms [1]	1500 (Estimated value)
Partition coefficient n-octanol/water (Log Pow)	4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.4. Mobility in soil

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

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

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

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

OIL, JO MALONE GRAPEFRUIT TYP*

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 15: Regulatory information

15.1. National regulations

HEXYL CINNAMIC ALDEHYDE ALPHA (101-86-0)

Listed on the Canadian DSL (Domestic Substances List)

Amyl Cinnamic Aldehyde (122-40-7)

Listed on the Canadian DSL (Domestic Substances List)

citral (5392-40-5)

Listed on the Canadian DSL (Domestic Substances List)

FLORALOZONE (67634-14-4)

Listed on the Canadian DSL (Domestic Substances List)

FLOROL (63500-71-0)

Listed on the Canadian DSL (Domestic Substances List)

GERANYL ACETATE PRIME (105-87-3)

Listed on the Canadian DSL (Domestic Substances List)

HELIONAL (1205-17-0)

Listed on the Canadian DSL (Domestic Substances List)

Linalyl acetate (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

VERTACETAL (5182-36-5)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

HEXYL CINNAMIC ALDEHYDE ALPHA (101-86-0)

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

citral (5392-40-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

FLOROL (63500-71-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

GERANYL ACETATE PRIME (105-87-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

HELIONAL (1205-17-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Linalyl acetate (115-95-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

VERTACETAL (5182-36-5)

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

SECTION 16: Other information

SDS Major/Minor : None
Issue date : 12/05/2019
Revision date : 03/14/2024
Supersedes : 01/10/2022

Full text of H-phrases:

H227	Combustible liquid
H302	Harmful if swallowed
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
H373	May cause damage to organs through prolonged or repeated exposure

SDS Canada (GHS) - 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.

03/14/2024

EN (English US)

7/7