

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

1 Identification

- **Product identifier**
- **Trade name:** LEAVES OF GREEN
- **Details of the supplier of the safety data sheet**
- **Supplier:**
Scent Memory, LLC
info@scentmemoryfragrance.com
- **Emergency telephone number:**
During normal opening times: Call Chemtrec Day or Night
Domestic North America 800.424.9300/International 703.527.3887 (Collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Toxic to Reproduction 1A H360 May damage fertility or the unborn child.



GHS07

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
VERTOFIX
LILIAL
ISO E SUPER
METHYL PARACRESOL
BENZYL SALICYLATE
HELIOTROPINE
HELIONAL
HYDROXYCITRONELLAL
TRIPLAL
CLOVE OIL
HEXYL CINNAMIC ALDEHYDE
HEXYL SALICYLATE
EUCALYPTUS OIL

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 1)

GERANYL ACETATE
ISOCYCLOCITRAL
PHENYL ACETALDEHYDE
METHYL IONONE GAMMA

- **Hazard statements**

May cause an allergic skin reaction.
May damage fertility or the unborn child.

- **Precautionary statements**

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
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 exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 1
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = *1
Fire = 1
Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

* 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

120-51-4	BENZYL BENZOATE ⚠ Acute Toxicity - Oral 4, H302	>25-≤50%
32388-55-9	VERTOFIX ⚠ Sensitization - Skin 1, H317	>2.5-≤10%
54464-57-2	ISO E SUPER ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317	>2.5-<10%
118-58-1	BENZYL SALICYLATE ⚠ Sensitization - Skin 1, H317	>2.5-≤10%

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

		(Contd. of page 2)
8014-09-3	PATCHOULY OIL ⚠️ Aspiration Hazard 1, H304	≤2.5%
100-51-6	BENZYL ALCOHOL ⚠️ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332	≤2.5%
120-57-0	HELIOTROPINE ⚠️ Sensitization - Skin 1, H317	≥1-≤2.5%
1205-17-0	HELIONAL ⚠️ Sensitization - Skin 1, H317	≥1-≤2.5%
107-75-5	HYDROXYCITRONELLAL ⚠️ Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥1-≤2.5%
8000-27-9	CEDARWOOD OIL VIRGINIA ⚠️ Aspiration Hazard 1, H304	≤2.5%
68039-49-6	TRIPLAL ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥1-≤2.5%
80-54-6	LILIAL ⚠️ Toxic to Reproduction 1B, H360; Flammable Liquids 4, H227	≥0.1-≤2.5%
8000-34-8	CLOVE OIL ⚠️ Aspiration Hazard 1, H304; ⚠️ Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥1-≤2.5%
63500-71-0	FLOROL ⚠️ Eye Irritation 2A, H319	≤2.5%
101-86-0	HEXYL CINNAMIC ALDEHYDE ⚠️ Sensitization - Skin 1, H317	≥0.1-<1%
78-70-6	LINALOOL ⚠️ Sensitization - Skin 1B, H317; Flammable Liquids 4, H227	≥0.1-<1%
6259-76-3	HEXYL SALICYLATE ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317	≥0.1-<1%
8000-48-4	EUCALYPTUS OIL ⚠️ Flammable Liquids 3, H226; ⚠️ Aspiration Hazard 1, H304; ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317	≥0.1-<1%
104-93-8	METHYL PARACRESOL ⚠️ Flammable Liquids 3, H226; ⚠️ Toxic to Reproduction 1A, H360; ⚠️ Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315	≥0.1-≤2.5%
105-87-3	GERANYL ACETATE ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317	≥0.1-<1%
1423-46-7	ISOCYCLOCITRAL ⚠️ Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥0.1-<1%
122-78-1	PHENYL ACETALDEHYDE ⚠️ Acute Toxicity - Oral 3, H301; ⚠️ Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥0.1-<1%
127-51-5	METHYL IONONE GAMMA ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Eye Irritation 2B, H320	≥0.1-<1%

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 3)

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

120-51-4	BENZYL BENZOATE	5.7 mg/m ³
110-27-0	ISOPROPYL MYRISTATE	81 mg/m ³
100-51-6	BENZYL ALCOHOL	30 ppm
89-83-8	THYMOL CRYSTALS	2.9 mg/m ³
140-11-4	BENZYL ACETATE	30 ppm
93-58-3	METHYL BENZOATE	1.1 ppm
119-36-8	METHYL SALICYLATE	2.3 ppm
123-11-5	ANISIC ALDEHYDE	21 mg/m ³
93-89-0	ETHYL BENZOATE	6.3 mg/m ³
112-31-2	ALDEHYDE C-10	1.8 ppm
124-13-0	ALDEHYDE C-8	17 mg/m ³

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 4)

124-19-6	ALDEHYDE C-9	0.86 mg/m ³
· PAC-2:		
120-51-4	BENZYL BENZOATE	63 mg/m ³
110-27-0	ISOPROPYL MYRISTATE	900 mg/m ³
100-51-6	BENZYL ALCOHOL	52 ppm
89-83-8	THYMOL CRYSTALS	32 mg/m ³
140-11-4	BENZYL ACETATE	330 ppm
93-58-3	METHYL BENZOATE	12 ppm
119-36-8	METHYL SALICYLATE	25 ppm
123-11-5	ANISIC ALDEHYDE	230 mg/m ³
93-89-0	ETHYL BENZOATE	69 mg/m ³
112-31-2	ALDEHYDE C-10	19 ppm
124-13-0	ALDEHYDE C-8	190 mg/m ³
124-19-6	ALDEHYDE C-9	9.5 mg/m ³
· PAC-3:		
120-51-4	BENZYL BENZOATE	380 mg/m ³
110-27-0	ISOPROPYL MYRISTATE	5,400 mg/m ³
100-51-6	BENZYL ALCOHOL	740 ppm
89-83-8	THYMOL CRYSTALS	190 mg/m ³
140-11-4	BENZYL ACETATE	2,000 ppm
93-58-3	METHYL BENZOATE	42 ppm
119-36-8	METHYL SALICYLATE	150 ppm
123-11-5	ANISIC ALDEHYDE	300 mg/m ³
93-89-0	ETHYL BENZOATE	420 mg/m ³
112-31-2	ALDEHYDE C-10	120 ppm
124-13-0	ALDEHYDE C-8	1,100 mg/m ³
124-19-6	ALDEHYDE C-9	410 mg/m ³

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:** Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a tightly sealed containers in a cool, dry place that is well ventilated. Away from heat, spark, and open flame.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep receptacle tightly sealed.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 5)

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.· **Control parameters**· **Components with limit values that require monitoring at the workplace:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

100-51-6 BENZYL ALCOHOL

WEEL	Long-term value: 10 ppm
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· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Liquid
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Color:	Clear golden yellow to brown
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Odor:	Characteristic
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(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 6)

· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	193 °C (379.4 °F)
· Flash point:	>93 °C (>199.4 °F)
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 156 °C (312.8 °F):	6 hPa (4.5 mm Hg)
· Density at 20 °C (68 °F):	0.9914 g/cm ³ (8.27323 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	1.8 %
VOC content:	1.79 %
	17.8 g/l / 0.15 lb/gal
Solids content:	4.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

US

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 7)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)		
Dermal	LD50	123,077 mg/kg (rabbit)
Inhalative	LC50/4 h	677 mg/l

120-51-4 BENZYL BENZOATE		
Dermal	LD50	4,000 mg/kg (rabbit)

100-51-6 BENZYL ALCOHOL		
Dermal	LD50	2,000 mg/kg (rabbit)

78-70-6 LINALOOL		
Dermal	LD50	5,610 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

IARC (International Agency for Research on Cancer)		
140-11-4	BENZYL ACETATE	3
128-37-0	BHT	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 8)

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** not regulated
- **UN proper shipping name**
- **DOT, IMDG, IATA** not regulated
- **Transport hazard class(es)**
- **DOT, ADN, IMDG, IATA**
- **Class** not regulated
- **Packing group**
- **DOT, IMDG, IATA** not regulated
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** not regulated

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):** All substances are active or exempt.

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: **LEAVES OF GREEN**

(Contd. of page 9)

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

140-11-4 BENZYL ACETATE

A4

128-37-0 BHT

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

VERTOFIX

LILIAL

ISO E SUPER

METHYL PARACRESOL

BENZYL SALICYLATE

HELIOTROPINE

HELIONAL

HYDROXYCITRONELLAL

TRIPLAL

CLOVE OIL

HEXYL CINNAMIC ALDEHYDE

HEXYL SALICYLATE

EUCALYPTUS OIL

GERANYL ACETATE

ISOCYCLOCITRAL

PHENYL ACETALDEHYDE

METHYL IONONE GAMMA

· **Hazard statements**

May cause an allergic skin reaction.

May damage fertility or the unborn child.

· **Precautionary statements**

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

Contaminated work clothing must not be allowed out of the workplace.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/12/2022

Reviewed on 04/07/2022

Trade name: LEAVES OF GREEN

(Contd. of page 10)

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 04/07/2022 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity - Oral 3: Acute toxicity – Category 3

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B

Sensitization - Skin 1: Skin sensitisation – Category 1

Sensitization - Skin 1B: Skin sensitisation – Category 1B

Toxic to Reproduction 1A: Reproductive toxicity – Category 1A

Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

Aspiration Hazard 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**