




GREEN FOREST 354034-F

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY	
1.1 Product identifier Product identifier / No: UFI:	GREEN FOREST 354034-F F39X-K09A-T005-DPQR
1.2 Relevant identified uses of the mixture and uses advised against:	Perfuming agent for finished consumer products. Not for personal use in this form or concentration.
1.3 Details of the supplier of the safety data sheet:	LUZI AG Riedwiesenstrasse 5 CH-8305 Dietlikon, Switzerland Phone: ++41 44 835 76 76 E-mail: regulatory.switzerland@luzi.com
1.4 Emergency telephone number:	++41 76 315 31 83 Emergency consultation (DE/EN) during office hours Monday to Friday 08:00 - 17:00 (UTC+1)

2. HAZARD IDENTIFICATION	
2.1 Classification of the substance or mixture	
2.1.1 Classification according to Regulation (EC) No 1272/2008:	 GHS07 Exclamation mark Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.  GHS09 Environment Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements	
2.2.1 Hazard pictogram(s):	
2.2.2 Signal word	Warning
2.2.3 Hazard Statement(s):	Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

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2.2 Label elements
2.2.4 Precautionary statements

General:	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P103 Read label before use.</p>
Prevention:	<p>P261 Avoid breathing dust / fume / gas / mist / vapours / spray.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves / protective clothing / eye protection / face protection.</p>
Response in cases of accidental spillage or exposure:	<p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P321 Specific treatment</p> <p>P332+P313 If skin irritation occurs: Get medical advice / attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice / attention.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p>
Storage:	
Disposal:	<p>P501 Dispose of contents / container in accordance with government regulations.</p>

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2.2 Label elements

Hazardous component (s) for labeling:

<u>CAS No:</u>	<u>Chemical name:</u>
13466-78-9	delta-3-Carene
89-83-8	Thymol
80-56-8	alpha-Pinene
54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-ethanone

EUH208: Contains an ingredient that may produce an allergic reaction:

<u>CAS No:</u>	<u>Chemical name:</u>
54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-ethanone
70788-30-6	1-(2,2,6-Trimethylcyclohexyl)-3-hexanol
80-56-8	alpha-Pinene
97-53-0	2-Methoxy-4-(2-propenyl)-phenol
13466-78-9	delta-3-Carene
78-70-6	3,7-Dimethyl-1,6-octadien-3-ol
115-95-7	3,7-Dimethylocta-1,6-dien-3-yl acetate
127-91-3	beta-Pinene
5989-27-5	(R)-p-Mentha-1,8-diene

2.3 Other hazards This mixture does not contain any PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative) substances according to Directive (EC) No 1907/2006.

This mixture does not contain endocrine disrupting substances according to Regulation (EU) 2017/2100.

Handling may cause static charge which may ignite the mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances Not applicable

3.2 Mixtures

Chemical characterisation: Mixture of substances listed below with non-hazardous additions.

CAS-/EINECS-No: Not applicable

Quantity	CAS No EINECS No REACH No	Name	Comment	Classification (GHS)
25-50%	103-23-1 203-090-1 01-2119439699-19	Di-(2-Ethylhexyl)adipat		---
10-25%	54464-57-2 259-174-3 01-2119489989-04	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-ethanon	M-Faktor: 1	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 1 H315, H317, H410
5-10%	110-27-0 203-751-4 01-2119541806-35	Isopropylmyristat		---

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1-5%	111-90-0 203-919-7 01-2119475105-42	2-(2-Ethoxyethoxy)ethanol		---
1-5%	70788-30-6 274-892-7 01-2120768938-30	1-(2,2,6-Trimethylcyclohexyl)-3-hexanol	M-Faktor: 1	Skin Sens. 1B, Aquatic Chronic 1 H317, H410
1-5%	85085-41-2 285-370-3 01-2120744063-63	Juniperus virginiana oil	M-Faktor: 1	Asp. Tox. 1, Aquatic Chronic 1 H304, H410
1-5%	77-53-2 201-035-6 01-2120790208-49	Cedrol		Aquatic Chronic 2 H411
1-5%	80-56-8 201-291-9 01-2119519223-49	alpha-Pinen	M-Faktor: 1	 Flam. Liq. 3, Acute Tox. 4, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1 H226, H302, H304, H315, H317, H400, H410
<1%	97-53-0 202-589-1 01-2119971802-33	2-Methoxy-4-(2-propenyl)-phenol		Skin Sens. 1B, Eye Irrit. 2 H317, H319
<1%	25265-71-8 246-770-3 01-2119456811-38	Dipropylenglykol		---
<1%	13466-78-9 236-719-3	delta-3-Caren		 Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1, Acute Tox. 4, Aquatic Chronic 2 H226, H304, H315, H317, H332, H411
<1%	469-61-4 207-418-4 01-2120769665-38	alpha-Cedren	M-Faktor: 10	Asp. Tox. 1, Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1 H304, H315, H400, H410
<1%	78-70-6 201-134-4 01-2119474016-42	3,7-Dimethyl-1,6-octadien-3-ol		Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2 H315, H317, H319
<1%	115-95-7 204-116-4 01-2119454789-19	Essigsäure-3,7-dimethylocta-1,6-dien-3-ylester		Skin Irrit. 2, Skin Sens. 1B H315, H317
<1%	127-91-3 204-872-5 01-2119519230-54	beta-Pinen	M-Faktor: 1	 Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1 H226, H304, H315, H317, H400, H410
<1%	5989-27-5 227-813-5 01-2119493353-35	(R)-p-Mentha-1,8-dien		 Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 3 H226, H304, H315, H317, H400, H412
<1%	89-83-8 201-944-8 01-2119511177-46	Thymol		Acute Tox. 4, Skin Corr. 1B, Eye

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	Avoid inhalation of smoke and fumes. In case of insufficient ventilation, use breathing apparatus. Contaminated extinguishing water must not be allowed to enter the sewage system and must be disposed of in accordance with local official regulations.
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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1 For non-emergency personnel:	Wear suitable protective gloves when handling spilled material. Do not smoke. Avoid open flames and other sources of ignition. Avoid contact with skin. Do not inhale vapors. Individual cleaning after possible contact. Ensure adequate ventilation.
6.1.2 For emergency personnel:	Apply the same recommendations as section 6.1.1
6.2 Environmental precautions	
	Do not allow to enter drains/surface waters/groundwater. In case of contamination of water, inform the competent authorities.
6.3 Methods and material for containment and cleaning up	
6.3.1 For containment	Set up barriers and cover the sewage system to prevent large-scale spread.
6.3.2 For cleaning-up	Immediately absorb with suitable liquid-binding and non-flammable materials (e.g. sand, silica gel, universal binder). Collect bound material in suitable and sealable containers and dispose of in accordance with official regulations.
6.4 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.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	
	Avoid contact with skin and eyes. Wear suitable protective gloves and goggles / face shield. Do not smoke. Avoid all sources of ignition. Avoid excessive temperature during processing. Do not ingest or apply directly to skin. Good ventilation of storage and work place.
7.1.1 Protective measures:	Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.
7.1.2 Advice on general occupational hygiene:	Do not eat / drink / smoke at the workplace. Wash hands after use. Immediately remove contaminated clothing and protective equipment and clean before reuse.
7.2 Conditions for safe storage, including any incompatibilities	
7.2.1 Requirements to be met by storerooms and receptacles:	Store tightly closed and dry in containers that are as full as possible in a well-ventilated place. Keep away from heat sources. Protect from extreme temperatures. Store at room temperature (10 - 30 °C). Protect from exposure to light. Do not reuse empty containers. Storage class according to TRGS 510: 10
7.2.2 Information about storage in one common storage facility:	Do not store together with storage classes 1 / 4.2 / 4.3 / 5 / 6.2 / 7.

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7.2.3 Further information about storage conditions: The product may discolor due to prolonged storage. Crystallization is possible with cool storage. If necessary, warm slightly (40 °C) and mix well before use.

7.3 Specific end use(s)
Perfuming of consumer products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

Name	Short-term value		Long-term value		CAS-No	Country	Comment
Type	[mg/m ³]	[ppm]	[mg/m ³]	[ppm]			
2-(2-Ethoxyethoxy)ethanol					111-90-0		
MAK	100		50		CH SuvaPro	SSc	
MAK			50		D AGS		
MAK	170	30	80	15	S AFS		
Dipropylene glycol					25265-71-8		
MAK	280		140		CH SuvaPro	SSc	
MAK			100		D AGS		
delta-3-Carene					13466-78-9		
MAK				20	B BS		
MAK	300	50	150	25	S AFS		
(R)-p-Mentha-1,8-diene					5989-27-5		
MAK	80	14	40	7	CH SuvaPro	S	
MAK			28	5	D AGS		
para-Cymene					99-87-6		
MAK	270	50	135	25	Dk AT		
MAK	190	35	140	25	S AFS		

8.2 Exposure controls


8.2.1 Engineering measures


Ensure adequate ventilation, especially in confined areas

Additional information about design of technical facilities: No further data, see item 7

8.2.2 Personal protective equipment

Respiratory protection: In case of insufficient ventilation use respirator (according to EN 14387 or other governmental standards such as CEN accordingly).

Gloves:  Wear solvent resistant gloves according to EN 374. The permeation time must exceed the contact time.

Eye protection:  Use safety goggles and face shield tested according to EN 166.

Body protection: Wear work clothes that cover arms and legs.

Hygiene measures: Avoid contact with skin and eyes. Do not eat/drink/smoke during use. Wash hands after use.

8.2.3 Limitation and supervision of exposure into the environment

Take precautions to prevent the product from entering the sewage system. In case of contamination of water or sewage system, inform the responsible authorities.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
state of aggregation:	liquid
Color:	lightyellow
Odor:	woody - spicy - herbaceous
Melting point/Freezing point:	Not determined
Boiling point/Boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limits:	Not determined
Flash point (°C):	89.0 Methode: Pensky-Martens, closed cup
Ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
pH value:	Non-aqueous product
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient n-octanol/water (log value):	Not determined
Vapor pressure:	Not determined
Relative density (d 20/4 °C):	0.930
Relative vapor density:	Not determined
Particulate properties:	Not determined
9.2 Other information	
Solvent content:	59%
VOC:	0.418%
10. STABILITY AND REACTIVITY	
10.1 Reactivity:	No reaction known with water.
10.2 Chemical Stability:	Good stability at standard temperature.
10.3 Possibility of hazardous reactions:	No decomposition when properly stored and used.
10.4 Conditions to avoid:	Avoid excessive heat above at least 5 °C below flash point for flammable liquids. Do not heat closed containers.
10.5 Incompatible materials:	Do not store together with storage classes 1 / 4.2 / 4.3 / 5 / 6.2 / 7.
10.6 Hazardous decomposition products:	Proper use, contact with water or storage under recommended conditions should not produce hazardous decomposition products.
11. TOXICOLOGICAL INFORMATION	
11.1 Information on hazard classes according to Regulation (EC) No 1272/2008	
Acute toxicity:	The classification criteria are not met.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage / irritation	The classification criteria are not met.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
CMR effects:	
Germ cell mutagenicity	The classification criteria are not met.
Carcinogenicity	The classification criteria are not met.
Reproductive toxicity	The classification criteria are not met.
STOT – single exposure	The classification criteria are not met.
STOT – repeated exposure	The classification criteria are not met.
Aspiration hazard	The classification criteria are not met.
11.2 Information on other hazards	

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Endocrine disrupting properties: No substances with endocrine-disrupting properties contained according to the criteria from Regulations (EC) No. 1907/2006, (EU) 2017/2100, (EU) 2018/605.

Other information: No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity:	No data available for the mixture. The product must be labeled according to Regulation (EC) No. 1272/2008 (CLP) in the currently valid version.
12.2 Persistence and degradability:	No data available for the mixture.
12.3 Bioaccumulative potential:	No data available for the mixture.
12.4 Mobility in soil	No data available for the mixture.
12.5 Results of PBT and vPvB assessment	This mixture does not contain substances classified as PBT or vPvB.
12.6 Endocrine disrupting properties	This mixture does not contain any substances with endocrine-disrupting properties according to the evaluation criteria set out in (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605.
12.7 Other adverse effects	In case of improper handling or disposal, an environmental hazard cannot be excluded.




13. DISPOSAL CONDITIONS

13.1 Waste treatment methods	Do not dispose of residues/waste of the product via sewers/wastewater, but treat according to the instructions mentioned above, see points 6, 7 and 8. Do not reuse empty containers and do not incinerate. Hand over residual/waste product and contaminated packaging to an authorized disposal company. Dispose of in accordance with official regulations.
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14. TRANSPORT INFORMATION

14.1 UN number	
ADR:	3082
IMDG:	3082
IATA:	3082
14.2 UN proper shipping name	
ADR:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(2,2,6-Trimethylcyclohexyl)-3-hexanol, Mixture)
IMDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(2,2,6-Trimethylcyclohexyl)-3-hexanol, Mixture)
IATA:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(2,2,6-Trimethylcyclohexyl)-3-hexanol, Mixture)
14.3 Transport hazard classes	
ADR:	9
IMDG:	9
IATA:	9
14.4 Packing group	
ADR:	III

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IMDG:	III
IATA:	III
14.5 Environmental hazards	
Marine pollutant	
Special marking (ADR):	
Special marking (IATA):	
14.6 Special precautions for the user	
The transport classifications provided herewith are based on the properties of the unpackaged material according to this Safety Data Sheet. Refer to sections 2, 7 and 8.	
14.7 Carriage of bulk cargo by sea in accordance with IMO instruments	
Not applicable.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 Directive 2012/18/EU (Seveso)	
Named hazardous substances - Annex I	None of the substances are included.
Seveso Category	E1 hazardous to the aquatic environment Quantity threshold 1: 100 t Quantity threshold 2: 200 t
15.1.2 Regulation (EC) No 1907/2006 (REACH)	
Annex XIV - List of substances subject to authorization	None of the ingredients is included.
Substances of very high concern	None of the ingredients is included.
Annex XVII - Restriction on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	None of the substances mentioned by name are contained in this mixture. Restriction: 3
15.1.3 Water hazard class (Germany)	
WGK 2 - clearly hazardous to water	
15.2 Chemical safety assessment	
A Chemical Safety Assessment is not required for this mixture.	

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16. OTHER INFORMATION

16.1 Full text of abbreviated H-phrases	-	Void H226 Flammable liquid and vapour. H302 Harmful if swallowed. 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. H331 Toxic if inhaled. H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
16.2 Full text of abbreviated classifications (GHS)	-	PRODUCT NOT CLASSIFIED AS DANGEROUS ACCORDING TO EUROPEAN DIRECTIVE 1272/2008 AND ITS ADAPTATIONS. - Acute Tox. 3 inh. Acute Toxicity, Inhalation Category 3 Acute Tox. 4 inh. Acute Toxicity, Inhalation Category 4 Acute Tox. 4 oral Acute Toxicity, Oral Category 4 Aquatic Acute 1 Acute Aquatic Toxicity Category 1 Aquatic Chronic 1 Chronic Aquatic Toxicity Category 1 Aquatic Chronic 2 Chronic Aquatic Toxicity Category 2 Aquatic Chronic 3 Chronic Aquatic Toxicity Category 3 Asp. Tox. 1 Aspiration Toxicity Category 1 Eye Dam. 1 Serious eye damage Category 1 Eye Irrit. 2 Eye irritation Category 2 Flam. Liq. 3 Flammable Liquids Category 3 Repr. 2 Reproductive toxicity Category 2 Skin Corr. 1B Skin corrosion Category 1B
16.3 Abbreviations and acronyms		ADR Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) AFS Arbetsmiljöverkets författningssamling (Se) AGS Ausschuss für Gefahrstoffe (D) AT Arbejdspadsbrugsanvisning for stoffer og materiale (Dk) BS Belgisch Staatsblad (B) EINECS European Inventory of Existing Commercial Chemical Substances GHS Globally Harmonized System of Classification and Labelling of Chemicals IATA International Air Transport Association IMDG International Maritime Code for Dangerous Goods MAK Maximale Arbeitsplatzkonzentration REACH Registration, Evaluation, Authorisation and Restriction of Chemical substances, European Community Regulation on chemicals and their safe use (EC 1907/2006) SuvaPro Suva: Grenzwerte am Arbeitsplatz (CH) VOC Volatile Organic Compounds (USA, EU)

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16.4 Recommended applications: Concentrated perfumery raw material.
Unsuitable for personal use as such.

The recommendations in this safety data sheet reflect the knowledge available to us on the date of going to print. They are intended to give you hints for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and waste disposal. This information cannot be transferred to other products. In those cases where the product mentioned in this safety data sheet is blended, mixed or processed with other materials or processed in any other way, the information contained in this safety data sheet cannot be related to the new material obtained in this way.