

## According to Occupational safety and health regulation 2013

Revision: 09/03/2016 Printing date: 09/03/2016

## 01 Identification of the substance/mixture and of the company/undertaking

- 1. Product identifier
- Trade name: FRESH HERB G101 8757
- 2. Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation Aromatic ingredient(s).
   Industrial use only.
- 3. Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ROBERTET

BP 52100 F-06131 GRASSE CEDEX

Tel: +33 (0)4 93 40 33 66 (during normal opening times 8h-18h)

Fax: +33 (0)4 93 70 68 09

legis@robertet.com

- Further information obtainable from: ORFILA (INRS)
- Emergency telephone number:
   + 33 (0)1 45 42 59 59 (24h/24h; 7/7)

#### 02 Hazards identification

1. Classification of the substance or mixture



GHS07

Skin Irrit. 2 - H315 Causes skin irritation. Eye Irrit. 2 - H319 Causes serious eye irritation. Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

- Additional information:
   Full text of R and H statements: see section 16
- 2. Label elements
- GHS label elements





GHS07

GHS09

- Signal word
   Warning
- Hazard-determining components of labelling: alpha-Hexylcinnamaldehyde / ISO E SUPER (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-naphthalenyl)ethanone)(OTNE) / HELIONAL (alpha-Methyl-1,3-benzodioxole-5-propiona Idehyde) / Geraniol
- Hazard statements
   H315 Causes skin irritation.
   H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.



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P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

3. Other hazards

	03 Composition	/information on ingredients	
	<ul> <li>Chemical cha</li> </ul>	aracterization	
	<ul> <li>Dangerous c</li> </ul>		
#	CAS NO.	Description Index R-phrases	%
	101-86-0	alpha-Hexylcinnamaldehyde	5,00- 10,00
		EC number: 202-983-3	
*		Skin Sens. 1B - H317; Aquatic	
*		Acute 1 - H400, Aquatic Chronic 1 - H410	
*	78-70-6	Linalool	5,00- 10,00
*		EC number: 201-134-4	
×		Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*		H319	
*	18479-58-8	Dihydromyrcenol (2,6-Dimethyloct-7-en-2-ol)	5,00- 10,00
×		EC number: 242-362-4	
*		Eye Irrit. 2 - H319	
*	54464-57-2	ISO E SUPER (1-(1,2,3,4,5,6,7,8-Octahydro-2,	1,00- 5,00
*		3,8,8 -naphthalenyl)ethanone)(OTNE)	
*		EC number: 259-174-3	
*		Skin Irrit. 2 - H315, Skin Sens. 1B -	S
*		H317; Aquatic Chronic 1 - H410	
×	1205-17-0	HELIONAL (alpha-Methyl-1,3-benzodioxole-5-	1,00- 5,00
*		propiona Idehyde)	
*		EC number: 214-881-6	
*		Skin Sens. 1B - H317; Aquatic	
*		Chronic 2 - H411	
*	106-24-1	Geraniol	1,00- 5,00
¥		EC number: 203-377-1	
*		Eye Dam. 1 - H318; Skin Irrit. 2	
*		- H315, Skin Sens. 1 - H317	
×	140-11-4	Benzyl acetate	1,00- 5,00
*		EC number: 205-399-7	
-	4000 07 7	Aquatic Chronic 3 - H412	1,00- 5,00
*	1222-05-5	GALAXOLIDE (1,3,4,6,7,8-Hexahydro-4,6,6,7,8, 8-hexa methylcyclopenta-gamma-2-benzopyran)	1,00- 5,00
*		EC number: 214-946-9	
*		Aquatic Chronic 1 - H410	
*	106-22-9	dl-Citronellol	1,00- 5,00
*	100-22-9	EC number: 203-375-0	1,00- 3,00
*		Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*		H319, Skin Sens. 1B - H317	
*	80-54-6	LILIAL (p-tert-Butyl-alpha-	1,00- 5,00
*	00-0-7-0	methylhydrocinnamia aldehyde)	1,00 0,00
×		EC number: 201-289-8	
*		Repr. 2	
sh		Acute Tox. 4 - H302, Skin Irrit. 2 -	
st		H315, Skin Sens. 1B - H317; Repr. 2 -	
		100 m	(

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	H361; Aquatic Chronic 2 - H411	
32210-23-4	VERTENEX (4-tert-Butylcyclohexyl acetate)	1,00- 5,00
•	EC number: 250-954-9	
	Skin Sens. 1B - H317	
31906-04-4	LYRAL (3 and 4-(4-Hydroxy-4-methylpentyl)-3-	1,00- 5,00
	cyclo1 hexene-1-carboxaldehyde)	
	EC number: 250-863-4	
	Skin Sens. 1B - H317	
81782-77-6	4-Methyl-3-decen-5-ol	1,00- 5,00
	EC number: 279-815-0	
	Aquatic Acute 1 - H400	
28219-61-6	BACDANOL(2-Ethyl-4-(2,2,3-trimethyl-3-	1,00- 5,00
	cyclopenten- 1-yl)-2-buten-1-ol)	to de regione Voca de pagano.
	EC number: 248-908-8	
	Eye Irrit. 2 - H319; Aquatic	
	Acute 1 - H400, Aquatic Chronic 1 - H410	
88-41-5	VERDOX (2-tert-Butylcyclohexyl acetate)	1,00- 5,00
	EC number: 201-828-7	
	Aquatic Chronic 2 - H411	
1335-46-2	Methyl ionone (mixture of isomers)	1,00- 5,00
	EC number: 215-635-0	
	Skin Irrit. 2 - H315; Aquatic	
	Chronic 2 - H411	
118-58-1	Benzyl salicylate	0,101,00
110-30-1	EC number: 204-262-9	0,10 1,00
	Skin Sens. 1B - H317; STOT SE 2	
	- H371; Aquatic Chronic 3 - H412	
125109-85-5	B-methyl-3-(1-methylethyl)-benzenepropanal	0,10- 1,00
123103-03-3	EC number: 412-050-4	0,10-1,00
	Aguatic Chronic 2 - H411	
104-67-6	gamma-Undecalactone	0,10- 1,00
104-07-0	EC number: 203-225-4	0,10- 1,00
	Aquatic Chronic 3 - H412	
65113-99-7	SANDALOR (5-(2,2,3-Trimethyl-3-	0,10- 1,00
00110-33-1	cyclopentenyl)-3-me -2-ol)	0,10 1,00
	EC number: 265-453-0	
	Eye Irrit. 2 - H319; Aquatic	
	Chronic 2 - H411	
5989-27-5	d-limonene ((R)-p-mentha-1,8-diène)	0,10- 1,00
0000-27-0	EC number: 227-813-5	5,70 1,00
	Asp. Tox. 1 - H304; Flam. Lig. 3	
	- H226; Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317; Aquatic Acute 1 -	
400 000 0	H400, Aquatic Chronic 1 - H410	A 4 A A A
128-37-0	Butylated hydroxytoluene	0,10- 1,00
	EC number: 204-881-4	
	Aquatic Chronic 1 - H410	2502 3002
105-87-3	Geranyl acetate	0,10- 1,00
	EC number: 203-341-5	
	Skin Irrit. 2 - H315, Skin Sens. 1B -	
	H317; Aquatic Chronic 3 - H412	



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1	PRODUCT: FR	ESH HERB G101 8757	
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E:	68039-49-6	TRIPLAL(2,4-Dimethyl-3-cyclohexen-1-	0,10- 1,00
k		carboxaldehyde)	
e:		EC number: 268-264-1	
<b>E</b> )		Skin Irrit. 2 - H315, Eye Irrit. 2 -	
t		H319, Skin Sens. 1B - H317; Aquatic Chronic	
k		3 - H412	
r	32388-55-9	Acetyl cedrene	0,10- 1,00
t.		EC number: 251-020-3	
k		Skin Sens. 1B - H317; Aquatic	
r		Acute 1 - H400, Aquatic Chronic 1 - H410	
k .	470-82-6	Eucalyptol	0,10- 1,00
		Flam. Liq. 3 - H226; Skin Sens.	
e .		1B - H317	
te .	91-64-5	Coumarin	0,10- 1,00
EC.		EC number: 202-086-7	
er.		Acute Tox. 4 - H302, Skin Sens. 1B -	
r		H317	

## 04 First aid measures

- 1. Description of first aid measures
- General information:

Seek immediate medical advice.

- After inhalation:
- Supply fresh air; consult doctor in case of complaints.
- 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.
- 2. Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- 3. Indication of any immediate medical attention and special treatment needed No further relevant information available.

## 05 Firefighting measures

- 1. Extinguishing media
- · Suitable extinguishing agents:
  - CO2, sand, extinguishing powder first. In the absence of any other mea ns of extinguishing, water can be used as an extinguishingng agent.
- For safety reasons unsuitable extinguishing agents: Non applicable
- Special hazards arising from the substance or mixture No further relevant information available.
- 3. Advice for firefighters No specific advice

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#### 06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 2. 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.
- Reference to other sections See Section 13 for disposal information.

### 07 Handling and storage

- 1. Handling:
- Precautions for safe handling

Avoid contact with skin and eyes Wear appropriate protective equipments (gloves, glasses ...)

- Information about fire and explosion protection: Keep ignition sources away - Do not smoke.
- · Conditions for safe storage, including any incompatibilities
- 2. Storage:
- Requirements to be met by storerooms and receptacles:
   Avoid exposure to extreme temperatures. Avoid prolonged contact with certain plastic materials (PVC...)
- Further information about storage conditions:

None.

Specific end use(s)

No further relevant information available.

## 08 Exposure controls/personal protection

- 1. Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

CAS No.

Designation of material

140-11-4

Benzyl acetate

1,00-5,00 %

PEL

Long-term value

61 10 mg/m3

ppm

128-37-0

Butylated hydroxytoluene

0,10- 1,00 %

PEL

Long-term value

10

mg/m3

- · Additional information:
  - The lists valid during the making were used as basis.
- · Personal protective equipment:
- General protective and hygienic measures:
- Avoid contact with the eyes and skin.
- Respiratory protection: Not required.
- Protection of hands: Protective gloves
- Eye protection: Safety glasses
- Body protection: Protective work clothing

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9 Physical and chemical propertie		Name and the state of the control of
General Information		
Appearance:		
Form:	Fluid	
Odour:	Characteristic	
pH-value:	Not determined.	
Change in condition		
Boiling point/Boiling range:	> 35 °C	
Flash point:	92 °C	
Flammability (solid, gaseous):	Not applicable.	
Ignition temperature:		
Decomposition temperature:	Not determined.	
Self-igniting:	Not determined.	
Danger of explosion:	Not determined.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapour pressure:	Not determined.	
Density:	Not determined.	
Specific gravity	0,9560 - 0,9760 (20℃)	
Solubility in / Miscibility with		
water:	Not determined.	
Partition coefficient (n-octanol/water):	Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Additional information	Non applicable	

## 10 Stability and reactivity

- Reactivity
   No known reaction with water
- Chemical stability Good stability at conditions of use mentionned in point 7 and 10
- 3. Possibility of hazardous reactions Reacts with strong oxidising agents.
- Conditions to avoid Avoid temperatures near the flash point (see Section 9). Avoid contact with oxidizing agents.
- Incompatible materials: No further relevant information available.
- 6. Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

Information on toxicological effects
 This preparation has not been subjected to toxicological testing as such, but it is composed of substances with an established toxicological bibliography. Substances taken into account in determining the toxicological effects of this preparation are listed in Section 3.

Acute toxicity:

LD/LC50 values relevant for classification:

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VIMIA 00 Z 00 (518934-M) Z 00 (00 H + 00 H)



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FRESH HERB G101 8757 PRODUCT:

Oral, LD50: 74019,25 mg/kg

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## 12 Ecological information

1. Toxicity

This preparation has not been subjected to ecotoxicological testing as such, but it is composed of substances with an established ecotoxicological bibliography. Substances taken into account in determining the ecotoxicological effects of this preparation are listed in Section 3.

- 2. Persistence and degradability
- Bioaccumulative potential
- Mobility in soil
- Results of PBT and vPvB assessment
- PBT:
- Not applicable.
- vPvB:
- Not applicable.

#### 13 Disposal considerations

- 1. Waste treatment methods
- Recommendation Must be specially treated adhering to official regulations.
- · Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

#### 14 Transport information

UN-Number

UN3082 ADR UN3082 IMDG UN3082 IATA

UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-HEXYLCINNAMALDEHYDE) ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

IMDG

LIQUID, N.O.S. (ALPHA-HEXYLCINNAMALDEHYDE)

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA- HEXYLCINNAMALDEHYDE)

Transport hazard class(es)

ADR Class

9 (M6) Miscellaneous dangerous substances and articles.

Label





IMDG

Class

Label

9 Miscellaneous dangerous substances and articles.





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Class Label





9 Miscellaneous dangerous substances and articles.

Packing group

ADR IMDG IATA 111 111 111

Environmental hazards:

Marine pollutant:

Yes

Special precautions for user
 Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler):

90

EMS Number:

1-7,0-1

 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

Excepted quantities (EQ):

E1

Limited quantities (LQ)

5L 3

Transport category
Tunnel restriction code

Ε

IMDG

Limited quantities (LQ)

5L E1

Excepted quantities (EQ)

 UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-HEXYLCINNAMALDEHYDE), 9, III

#### 15 Regulatory information

- · National regulations:
- Waterhazard class:

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

2. 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.

## Relevant phrases

Flammable liquid and vapour. H226 H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. May cause an allergic skin reaction. H317 H318 Causes serious eye damage. H319 Causes serious eye irritation. Suspected of damaging fertility or the unborn child. H361 H371 May cause damage to organs. Very toxic to aquatic life. H400 Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. H410 H411

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2. Department issuing MSDS: Legislation / Regulatory Affair Department

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations

Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

4. Sources RIFM Database Suppliers Information REACH registration dossier IFRA/IOFI Labelling Manual

\* Data compared to the previous version altered.