

MATERIAL SAFETY DATA SHEET

According to Regulation ST/SG/AC.10/30/UN GHS, Latest revision

Revision: 20/04/2015
Printing date: 20/04/2015**01 Identification of the substance/mixture and of the company/undertaking**

1. Product identifier
 - Trade name:
BOIS ET VANILLE FR G115 1316
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
4. 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.
Skin Sens. 1B - H317 May cause an allergic skin reaction.



GHS09

Aquatic Acute 1 - H400 Very toxic to aquatic life.
Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

H320 Causes eye irritation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
N Dangerous for the environment
Xi Irritant
R 43
May cause sensitisation by skin contact.
R 51/53
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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:
ISO E SUPER (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8 -naphthalenyl) ethanone)(OTNE) / Acetyl cedrene / LYRAL (3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclo1 hexene-1-carboxaldehyde) / d-limonene ((R)-p-

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mentha-1,8-diène) / Coumarin / beta-Pinene

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- Hazard statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
H320 Causes eye irritation.
- 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.
P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

3. Other hazards

03 Composition/information on ingredients

- Chemical characterization
- Dangerous components:

CAS NO.	Description Index R-phrases	%
54464-57-2	ISO E SUPER (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-naphthalenyl)ethanone)(OTNE) EC number: 259-174-3 N Xi 38-43-51/53 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	5,00- 10,00
1222-05-5	GALAXOLIDE (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexa methylcyclopenta-gamma-2-benzopyran) EC number: 214-946-9 N 50/53 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316	5,00- 10,00
32388-55-9	Acetyl cedrene EC number: 251-020-3 N Xi 43-50/53 Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316	5,00- 10,00
121-33-5	Vanillin EC number: 204-465-2 Xi 36 Eye Irrit. 2 - H319; Acute Tox. 5 - H303	5,00- 10,00
31906-04-4	LYRAL (3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclo1 hexene-1-carboxaldehyde) EC number: 250-863-4 Xi 43-52/53	1,00- 5,00

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21145-77-7	Skin Sens. 1B - H317; H402 TONALIDE (6-Acetyl-1,1,2,4,4,7-hexamethyltetraline) EC number: 244-240-6 N Xn 22-50/53 Acute Tox. 4 - H302; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1,00- 5,00
105-95-3	Ethylene brassylate EC number: 203-347-8 N 51/53 Aquatic Chronic 2 - H411; H401	1,00- 5,00
5989-27-5	d-limonene ((R)-p-mentha-1,8-diène) EC number: 227-813-5 N Xn 10-38-43-50/53-65 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1,00- 5,00
34902-57-3	HABANOLIDE (OXACYCLOHEXADECEN-2-ONE) EC number: 777-777-7 N 50/53 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; Acute Tox. 5 - H303	1,00- 5,00
78-70-6	Linalool EC number: 201-134-4 Xi 38 Skin Irrit. 2 - H315, Eye Irrit. 2 - H319; H227, Acute Tox. 5 - H303, H402	1,00- 5,00
28219-61-6	BACDANOL(2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten- 1-yl)-2-buten-1-ol) EC number: 248-908-8 N Xi 36/38-50/53 Eye Irrit. 2 - H319; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1,00- 5,00
65113-99-7	SANDALOR (5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-me -2-ol) EC number: 265-453-0 N Xi 36-51/53 Eye Irrit. 2 - H319; H316; Aquatic Chronic 2 - H411; H401	1,00- 5,00
91-64-5	Coumarin EC number: 202-086-7 Xn	0,10- 1,00
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127-91-3	<p>22-43 Acute Tox. 4 - H302, Skin Sens. 1B - H317; H402 beta-Pinene 0,10- 1,00 EC number: 204-872-5 Xn 10-38-43-65 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Skin Sens. 1B - H317</p>
106-22-9	<p>dl-Citronellol 0,01- 0,10 EC number: 203-375-0 N Xi 38-43-51/53 Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317; Acute Tox. 5 - H303, Acute Tox. 5 - H313, H401</p>

04 First aid measures

- 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.
- 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.

05 Firefighting measures

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

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06 Accidental release measures

1. 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.
3. 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.
4. 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
	Not required.
 - 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

09 Physical and chemical properties

General Information

Appearance:

Form:	Fluid
Odour:	Characteristic
pH-value:	Not determined.

Change in condition

Boiling point/Boiling range:	> 35 °C
Flash point:	99 °C
Flammability (solid, gaseous):	Not applicable.

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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	0,9990 - 1,0190 (20°C)
Solubility in / Miscibility with water:	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

10 Stability and reactivity

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

11 Toxicological information

1. 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:
BOIS ET VANILLE FR G115 1316
Oral, LD50: 23810 mg/kg

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:

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- Not applicable.
- vPvB:
Not applicable.

13 Disposal considerations

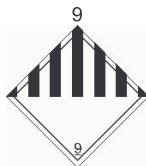
1. Waste treatment methods
 - Recommendation
Must be specially treated adhering to official regulations.
- Uncleaned packaging:
 - Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- UN-Number
ADR UN3082
IMDG UN3082
IATA UN3082
- UN proper shipping name
ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ISO E SUPER (OTNE))
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ISO E SUPER (OTNE))
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ISO E SUPER (OTNE))

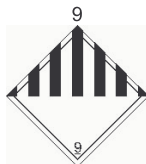
- Transport hazard class(es)
ADR
Class
Label

9 (M6) Miscellaneous dangerous substances and articles.



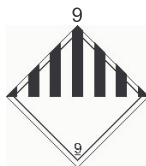
- IMDG**
Class
Label

9 Miscellaneous dangerous substances and articles.



- IATA**
Class
Label

9 Miscellaneous dangerous substances and articles.



- Packing group
ADR III
IMDG III
IATA III
- Environmental hazards:

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Marine pollutant:	Yes
• Special precautions for user	
Warning: Miscellaneous dangerous substances and articles.	
Danger code (Kemler):	90
EMS Number:	F-A,S-F
• 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
Transport category	3
Tunnel restriction code	E
• UN "Model Regulation":	
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ISO E SUPER(OTNE)), 9, III	

15 Regulatory information

- National regulations:
 - Waterhazard class:
Water hazard class 3 (Self-assessment): extremely 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.

1. Relevant phrases

H226	Flammable liquid and vapour.
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
R 36/38	Irritating to eyes and skin.
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 10	Flammable.
R 22	Harmful if swallowed.
R 36	Irritating to eyes.
R 38	Irritating to skin.
R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43	May cause sensitisation by skin contact.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.

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)

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

4. Sources

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

- * Data compared to the previous version altered.