

MATERIAL SAFETY DATA SHEET

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

Revision: 06/06/2014
Printing date: 06/06/2014**01 Identification of the substance/mixture and of the company/undertaking**

1. Product identifier
 - Trade name:
R1412493 HAWAIIAN SCENERY
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
Fax: +33 (0)4 93 70 68 09
legis@robertet.fr
4. Further information obtainable from:
 - Call center Robertet S.A.
 - Emergency telephone number:
33(0)4 93 40 33 66 (during normal opening times 8h-18h)

02 Hazards identification

1. Classification of the substance or mixture



GHS07

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



GHS08

Repr. 2 - H361 Suspected of damaging fertility or the unborn child.



GHS09

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

H401 Toxic to aquatic life.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
N Dangerous for the environment
Xn Harmful
R 62
Possible risk of impaired fertility.
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



GHS08



GHS09

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- Signal word
Warning
 - Hazard-determining components of labelling:
LILIAL (*p*-tert-Butyl-alpha-methylhydrocinnamic aldehyde) / LYRAL (3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclo1 hexene-1-carboxaldehyde) / HELIONAL (alpha-Methyl-1,3-benzodioxole-5-propionyl aldehyde) / alpha-iso-Methylionone / CYCLOPENTADECANOLIDE (omega-Pentadecalactone) / ISO E SUPER (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8 -naphthalenyl)ethanone) (OTNE)
 - Hazard statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
 - Precautionary statements
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/vapours/spray.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P405 Store locked up.
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 | % |
|------------|--|--------------|
| 80-54-6 | LILIAL (<i>p</i> -tert-Butyl-alpha-methylhydrocinnamic aldehyde) EC number: 201-289-8 N Xn 62-22-38-43-51/53 Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1 - H317; Repr. 2 - H361; Aquatic Chronic 2 - H411; H401 | 10,00- 20,00 |
| 105-95-3 | Ethylene brassylate EC number: 203-347-8 N 51/53 H316; Aquatic Chronic 2 - H411; H401 | 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 Skin Sens. 1B - H317; H316, H402, Aquatic Chronic 3 - H412 | 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 | 1,00- 5,00 |

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|--|--|------------------------------|
| | | <i>(continued of page 2)</i> |
| 60-12-8 | <p><i>Chronic 1 - H410; H316</i> <i>Phenylethyl alcohol</i> <i>EC number: 200-456-2</i> <i>Xi</i> <i>36</i> <i>Eye Irrit. 2 - H319; Acute Tox. 5 -</i> <i>H303</i></p> | 1,00- 5,00 |
| 1205-17-0 | <p><i>HELIONAL (alpha-Methyl-1,3-benzodioxole-5-propiona ldehyde)</i> <i>EC number: 214-881-6</i> <i>N Xi</i> <i>43-51/53</i> <i>Skin Sens. 1B - H317; Acute Tox. 5 -</i> <i>H303; Aquatic Chronic 2 - H411; H401</i></p> | 1,00- 5,00 |
| 65113-99-7 | <p><i>SANDALOR (5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-me -2-ol)</i> <i>EC number: 265-453-0</i> <i>N</i> <i>51/53</i> <i>Aquatic Chronic 2 - H411; H401</i></p> | 1,00- 5,00 |
| 127-51-5 | <p><i>alpha-iso-Methylionone</i> <i>EC number: 204-846-3</i> <i>N Xi</i> <i>36/38-43-51/53</i> <i>Skin Irrit. 2 - H315, Skin Sens. 1B -</i> <i>H317; H320; Aquatic Chronic 2 - H411;</i> <i>H401</i></p> | 1,00- 5,00 |
| 106-02-5 | <p><i>CYCLOPENTADECANOLIDE (omega-Pentadecalactone)</i> <i>EC number: 203-354-6</i> <i>Xi</i> <i>43</i> <i>Skin Sens. 1B - H317</i></p> | 1,00- 5,00 |
| 54464-57-2 | <p><i>ISO E SUPER (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8 -naphthalenyl)ethanone)(OTNE)</i> <i>EC number: 259-174-3</i> <i>N Xi</i> <i>38-43-51/53</i> <i>Skin Irrit. 2 - H315, Skin Sens. 1 -</i> <i>H317; Aquatic Chronic 2 - H411; H401</i></p> | 1,00- 5,00 |
| 101-86-0 | <p><i>alpha-Hexylcinnamaldehyde</i> <i>EC number: 202-983-3</i> <i>Xi</i> <i>38-43</i> <i>Skin Sens. 1B - H317; Acute Tox. 5 -</i> <i>H303, H316; Aquatic Chronic 2 - H411</i></p> | 1,00- 5,00 |
| 78-70-6 | <p><i>Linalool</i> <i>EC number: 201-134-4</i> <i>Xi</i> <i>38</i></p> | 1,00- 5,00 |
| | | <i>(continued on page 4)</i> |



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|--|---|
| | <i>(continued of page 3)</i> |
| 82356-51-2 | <p><i>Skin Irrit. 2 - H315, Eye Irrit. 2 - H319; H227, Acute Tox. 5 - H303, H402</i> 3-METHYLCYCLOPENTADECENONE 0,10- 1,00 <i>EC number: 429-900-5</i> N Xi <i>43-50/53</i> <i>Skin Sens. 1 - H317; Aquatic</i></p> |
| 1335-46-2 | <p><i>Acute 1 - H400, Aquatic Chronic 1 - H410</i> Methyl ionone (mixture of isomers) 0,10- 1,00 <i>EC number: 215-635-0</i> N Xi <i>36/38-51/53</i> <i>Skin Irrit. 2 - H315; H320;</i></p> |
| 106-22-9 | <p><i>Aquatic Chronic 2 - H411; H401</i> dl-Citronellol 0,10- 1,00 <i>EC number: 203-375-0</i> N Xi <i>38-43-51/53</i> <i>Skin Irrit. 2 - H315, Skin Sens. 1 - H317; Acute Tox. 5 - H303, Acute Tox. 5 - H313, H401</i></p> |
| 106-24-1 | <p>Geraniol 0,10- 1,00 <i>EC number: 203-377-1</i> Xi <i>38-41-43</i> <i>Eye Dam. 1 - H318; Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Acute Tox. 5 - H303, H401</i></p> |
| 18127-01-0 | <p>BOURGEONAL ((p-tert-Butyldihydrocinnamaldehyde) 0,10- 1,00 <i>EC number: 242-016-2</i> N Xn <i>62-22-43-51/53</i> <i>Acute Tox. 3 - H301; Skin Sens. 1B - H317; Repr. 2 - H361; H316;</i> <i>Aquatic Chronic 2 - H411; H401</i></p> |
| 128-37-0 | <p>Butylated hydroxytoluene 0,01- 0,10 <i>EC number: 204-881-4</i> N <i>50/53</i> <i>Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316</i></p> |
| 88-41-5 | <p>VERDOX (2-tert-Butylcyclohexyl acetate) 0,01- 0,10 <i>EC number: 201-828-7</i> N <i>51/53</i> <i>H227, Acute Tox. 5 - H303, H316;</i> <i>Aquatic Chronic 2 - H411; H401</i></p> |
| 150-84-5 | <p>Citronellyl acetate 0,01- 0,10 <i>EC number: 205-775-0</i></p> |
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N Xi
38-51/53
Skin Irrit. 2 - H315, Eye Irrit. 2 -
H319; Aquatic Chronic 2 - H411; H401

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 means of extinguishing, water can be used as an extinguishing agent.
 - For safety reasons unsuitable extinguishing agents:
Non applicable
2. Special hazards arising from the substance or mixture
No further relevant information available.
3. Advice for firefighters
No specific advice

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.

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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.

08 Exposure controls/personal protection

1. Control parameters
 - Ingredients with limit values that require monitoring at the workplace:
 - 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 applicable |
| Change in condition | |
| Boiling point/Boiling range: | > 35 °C |
| Flash point: | >= 104 °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 | 0,9800 - 1,0000 (20°C) |
| Solubility in / Miscibility with water: | |
| | Not determined. |
| Partition coefficient (n-octanol/water): | |
| | Not determined. |
| Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |

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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

- Acute toxicity:
LD/LC50 values relevant for classification:
R1412493 HAWAIIAN SCENERY
Oral, LD50: 12063 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:
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. (LILIAL)

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IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (LILIAL)

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (LILIAL)

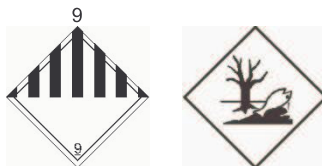
- Transport hazard class(es)

ADR

9 (M6) Miscellaneous dangerous substances and articles.

Class

Label

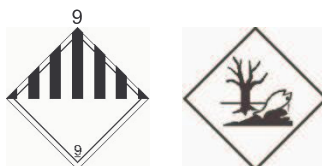


IMDG

9 Miscellaneous dangerous substances and articles.

Class

Label

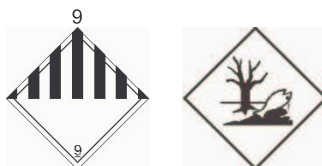


IATA

9 Miscellaneous dangerous substances and articles.

Class

Label



- Packing group

ADR

III

IMDG

III

IATA

III

- Environmental hazards:

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. (LILIAL),
9, III

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15 Regulatory information

- National regulations:
 - Waterhazard class:
Water hazard class 1 (Self-assessment): slightly 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

| | |
|---------|--|
| H227 | Combustible liquid. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H303 | May be harmful if swallowed. |
| H313 | May be harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H316 | Causes mild skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H320 | Causes eye irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| 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. |
| H412 | Harmful 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 36 | Irritating to eyes. |
| R 62 | Possible risk of impaired fertility. |
| R 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R 22 | Also harmful if swallowed. |
| R 41 | Risk of serious damage to eyes. |
| R 38 | Irritating to skin. |
| 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. |

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 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