




## SAFETY DATA SHEET

According to GB/T 16483-2008, GB/T 17519-2013

Version number: 1.0  
Revision: 2024.05.07  
Printing date: 2024.05.07**01 Identification of the substance/mixture and of the company/undertaking**

1. Product identifier
  - Trade name:  
R24125440 OUD WOOD
2. Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:  
ROBERTET FLAVORS & FRAGRANCES (BEIJING) CO., LTD.  
Address: NO. 4, Leyuan Nanyi Street, Yanqi Industrial Development Zone, Huairou District, Beijing, P.R. China  
Post code: 101407  
TEL: 0086-10-61669240 (during normal opening times 8:30-17:30)  
FAX: 0086-10-61667078  
E-mail: legis@robertet.cn
  - Further information obtainable from:  
ROBERTET FLAVORS & FRAGRANCES (BEIJING) CO., LTD. TEL: 0086-10-61669240 (during normal opening times 8:30-17:30) FAX: 0086-10-61667078 E-mail: legis@robertet.cn
3. Emergency telephone number:  
+86 10 61635414 (24h/7days, Language : Chinese mandarin))
4. Relevant identified uses of the substance or mixture and uses advised against
  - Application of the substance / the preparation  
Aromatic ingredient(s). Industrial use only.
  - Uses advised against  
not applicable

**02 Hazards identification**

1. Emergency overview:  
Colourless, Fluid, Combustible liquid. May be harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May be harmful if inhaled. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
2. Hazard categories
  -  GHS05  
Eye Dam. 1 - H318 Causes serious eye damage.
  -  GHS07  
Skin Irrit. 2 - H315 Causes skin irritation.  
Skin Sens. 1 - H317 May cause an allergic skin reaction.
  -  GHS09  
Aquatic Acute 1 - H400 Very toxic to aquatic life.  
Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.  
H227 Combustible liquid.  
Acute Tox. 5 - H303 May be harmful if swallowed.  
Acute Tox. 5 - H333 May be harmful if inhaled.
- Additional information:  
Full text of H statements: see section 16
3. Label elements
  - GHS label elements
  - Hazard pictograms

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GHS05    GHS07    GHS09

- Signal word  
Danger
- Hazard-determining components of labelling:  
Benzyl benzoate / VERTENEX (4-tert-Butylcyclohexyl acetate) / Linalool / Camphor
- Hazard statements  
 H227 Combustible liquid.  
 H303 May be harmful if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H333 May be harmful if inhaled.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements  
 Precautionary measures  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 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.  
 P280 Wear protective gloves.  
 P280 Wear eye protection / face protection.  
 Accident response  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.  
 P391 Collect spillage.  
 P321 Specific treatment (see on this label).  
 Safety storage  
 P403 Store in a well-ventilated place.  
 Disposal  
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- 4. Physical and chemical hazards  
Combustible liquid.
- 5. Health hazards  
 May be harmful if inhaled.  
 May be harmful if swallowed.  
 Causes skin irritation.  
 Causes serious eye damage.  
 May cause an allergic skin reaction.
- 6. Environmental hazards  
 Very toxic to aquatic life.  
 Toxic to aquatic life with long lasting effects.
- 7. Other hazards
  - Results of PBT and vPvB assessment
  - PBT:  
Not applicable.
  - vPvB:  
Not applicable.

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**03 Composition/information on ingredients**

- Chemical characterization

- Dangerous components:

CAS Number		%
<b>120-51-4</b>	<b>Benzyl benzoate</b> EC number: 204-402-9 Acute Tox. 4 - H302; Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411	<b>20,00- 30,00</b>
<b>32210-23-4</b>	<b>VERTENEX (4-tert-Butylcyclohexyl acetate)</b> EC number: 250-954-9 Skin Sens. 1B - H317; Acute Tox. 5 - H303, H401	<b>10,00- 20,00</b>
<b>78-70-6</b>	<b>Linalool</b> EC number: 201-134-4 Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, Skin Sens. 1B - H317; H227, Acute Tox. 5 - H303, H402	<b>10,00- 20,00</b>
<b>54464-57-2</b>	<b>reaction mass of 1-(1,2,3,4,5,6,7,8- octahydro-2,3, 8,8-tetramethyl-2-naphthyl) ethan-1-one and 1-(1,2, 3,4,6,7,8,8a- octahydro-2,3,8,8-tetramethyl-2-naph thyl) ethan-1-one and 1-(1,2,3,5,6,7,8,8a- octahydro -2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one</b> EC number: 915-730-3 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 2 - H411; H401	<b>5,00- 10,00</b>
<b>76-22-2</b>	<b>Camphor</b> EC number: 200-945-0 Eye Dam. 1 - H318; Flam. Sol. 2 - H228; Acute Tox. 4 - H332, Skin Irrit. 2 - H315; STOT SE 2 - H371; H401	<b>5,00- 10,00</b>
<b>18479-58-8</b>	<b>Dihydromyrcenol (2,6-Dimethyloct-7-en-2-ol)</b> EC number: 242-362-4 Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, STOT SE 3 - H336; H227, Acute Tox. 5 - H303, H402	<b>5,00- 10,00</b>
<b>470-82-6</b>	<b>Eucalyptol</b> EC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317; Acute Tox. 5 - H303, H402	<b>1,00- 5,00</b>
<b>319002-92-1</b>	<b>Propyl (2S)-2-(1,1-dimethylpropoxy)- propanoate</b> EC number: 437-530-0 H227, H402, Aquatic Chronic 3 - H412	<b>1,00- 5,00</b>
<b>115-95-7</b>	<b>Linalyl acetate</b> EC number: 204-116-4 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; H227, Eye Irrit. 2B - H320, H402	<b>1,00- 5,00</b>

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8007-35-0	<b>Reaction mass of 1-methyl-4-(1-methylethylidene) cyclohexyl acetate and p-menth-1-en-8-yl acetate</b> EC number: 904-693-9 H316, H401	1,00- 5,00
125-12-2	<b>Isobornyl acetate</b> EC number: 204-727-6 H227, H316, H401	1,00- 5,00
2050-08-0	<b>Amyl salicylate (Reaction Mass)</b> EC number: 911-280-7 Acute Tox. 4 - H302; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1,00- 5,00
97-53-0	<b>Eugenol</b> EC number: 202-589-1 Eye Irrit. 2A - H319, Skin Sens. 1B - H317; Acute Tox. 5 - H303, H316, H401	1,00- 5,00
91-64-5	<b>Coumarin</b> EC number: 202-086-7 Acute Tox. 4 - H302, Skin Sens. 1B - H317; H402, Aquatic Chronic 3 - H412	1,00- 5,00
469-61-4	<b>Alpha cedrene</b> EC number: 207-418-4 Asp. Tox. 1 - H304; Skin Irrit. 2 - H315; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0,10- 1,00
23787-90-8	<b>Isolongifolanone (isolongifolene ketone)</b> EC number: 245-890-3 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 2 - H411; H401	0,10- 1,00
144020-22-4	<b>Acetic acid, anhydride, reaction products</b> with 1,5,10-trimethyl-1,5,9- cyclododecatriene EC number: 482-330-9 Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316	0,10- 1,00
118-58-1	<b>Benzyl salicylate</b> EC number: 204-262-9 Skin Sens. 1B - H317; Acute Tox. 5 - H303, Eye Irrit. 2B - H320, H401, Aquatic Chronic 3 - H412	0,10- 1,00
106-24-1	<b>Geraniol</b> EC number: 203-377-1 Eye Dam. 1 - H318; Skin Irrit. 2 - H315, Skin Sens. 1 - H317; H227, Acute Tox. 5 - H303, H402	0,10- 1,00
105-87-3	<b>Geranyl acetate</b> EC number: 203-341-5 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; H401, Aquatic Chronic 3 - H412	0,10- 1,00

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<b>546-28-1</b>	<b>beta cedrene (M factor 10)</b> EC number: 208-898-8 Asp. Tox. 1 - H304; Skin Irrit. 2 - H315; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<b>0,10- 1,00</b>
<b>5392-40-5</b>	<b>Citral</b> EC number: 226-394-6 Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, Skin Sens. 1 - H317; Acute Tox. 5 - H313, H401	<b>0,10- 1,00</b>
<b>37677-14-8</b>	<b>VERTOMUGAL (Reaction Mass)</b> EC number: 915-650-9 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<b>0,001- 0,10</b>

#### 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. Then consult a doctor.
  - After swallowing:  
If symptoms persist consult doctor.
2. Most important symptoms and effects, both acute and delayed  
No further relevant information available.
3. Advice for protection of rescuers  
No further relevant information available.
4. Special Notes to Physicians  
No further relevant information available.

#### 05 Firefighting measures

1. Extinguishing media
  - Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - For safety reasons unsuitable extinguishing agents:  
Non applicable
2. Special hazards arising from the substance or mixture  
No further relevant information available.
3. Fire precautions and protective measures  
No specific advice

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Printing date: 2024.05.07*(continued on page 5)***06 Accidental release measures**

1. Personal precautions, protective equipment and emergency procedures
  - For non-emergency personnel  
Wear protective equipment. Keep unprotected persons away.
  - For emergency responders  
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 of chemical spills  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
4. Precautionary measures to prevent the occurrence of secondary disasters  
No further relevant information available.

**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.
2. Storage:
  - Conditions for safe storage, including any incompatibilities
  - 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:  
Protect from heat and direct sunlight.

**08 Exposure controls/personal protection**

1. Occupational exposure limits
  - Ingredients with limit values that require monitoring at the workplace:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
2. Biological limits  
No further relevant information available.
3. Monitoring methods  
Not determined.
4. Engineering controls  
No further data; see item 7.
5. Personal protective equipment:
  - General protective and hygienic measures:  
Avoid contact with the eyes and skin.
  - Respiratory protection:  
Use suitable respiratory protective device in case of insufficient ventilation.
  - Eye protection:  
Safety glasses
  - Body protection:  
Protective work clothing
  - Protection of hands:  
Only use chemical-protective gloves with CE-labelling of category III.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - 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.

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**09 Physical and chemical properties**

<b>General Information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Odour:</b>	Characteristic
<b>pH-value:</b>	Not determined.
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	> 35 °C
<b>Flash point:</b>	86 °C
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Ignition temperature:</b>	Undetermined.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Not determined.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Relative density</b>	0,9730 - 0,9930 (20°C)
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	
<b>water:</b>	Not determined.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Other information</b>	No further relevant information available.
<b>Additional information</b>	Not applicable.
<b>Surface tension:</b>	Not determined.

**10 Stability and reactivity**

1. Reactivity  
No further relevant information available.
2. Chemical stability  
Good stability at conditions of use mentioned in point 7 and 10
3. Possibility of hazardous reactions  
Reacts with strong oxidising 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.

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## 11 Toxicological information

### 1. Information on toxicological effects

- Acute toxicity  
May be harmful if swallowed.  
May be harmful if inhaled.  
May be harmful if swallowed.

LD/LC50 values relevant for classification:

Oral, LD50 ETA UN: 2457,13 mg/kg  
Inhalative, LC50/1h: 183,24 mg/l

- Skin corrosion / irritation  
Causes skin irritation.
- Serious eye damage / irritation  
Causes serious eye damage.
- Respiratory / skin sensitization  
May cause an allergic skin reaction.
- Germ cell mutagenicity  
Based on available data, the classification criteria are not met.
- Carcinogenicity  
Based on available data, the classification criteria are not met.
- Reproductive toxicity  
Based on available data, the classification criteria are not met.
- STOT single exposure  
Based on available data, the classification criteria are not met.
- STOT repeated exposure  
Based on available data, the classification criteria are not met.
- Aspiration hazard  
Based on available data, the classification criteria are not met.
- Other information  
No further relevant information available.

## 12 Ecological information

### 1. Toxicity

- Aquatic toxicity:  
Very toxic to aquatic life.
- ### 2. Persistence and degradability
- Toxic to aquatic life with long lasting effects.
- Behaviour in environmental systems:
- ### 3. Bioaccumulative potential
- Not available
- ### 4. Mobility in soil
- Not available
- ### 5. Other adverse effects
- No further relevant information available.

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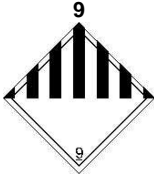
**13 Disposal considerations**


- 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**

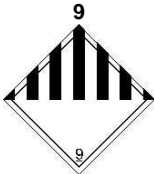
1. UN-Number
  - .ADR UN3082
  - .IMDG UN3082
  - .IATA UN3082
  
2. UN shipping name
  - .ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
  - .IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
  - .IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
  
3. UN Hazard Classification
  - .ADR
  - .Class 9 (M6) Miscellaneous dangerous substances and articles.
  - .Label
 


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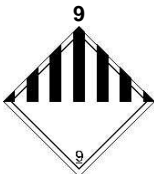

  
  - .IMDG
  - .Class 9 Miscellaneous dangerous substances and articles.
  - .Label
 


9




  
  - .IATA
  - .Class 9 Miscellaneous dangerous substances and articles.
  - .Label
 

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4. Packing Category
  - .ADR III
  - .IMDG III
  - .IATA III
  
5. Environmental hazards:

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- . Marine pollutant:** Yes
6. Special precautions for user  
 Warning: Miscellaneous dangerous substances and articles.  
**. Danger code (Kemler):** 90  
**. EMS Number:** F-A,S-F
7. Transport in bulk according to Annex II of Marpol and the IBC Code  
 Not applicable.
- Transport/Additional information:  
**. Excepted quantities (EQ):** E1  
**. Limited quantities (LQ)** 5L  
**. Transport category** 3  
**. IMDG**  
**. Limited quantities (LQ)** 5L  
**. Excepted quantities (EQ)** E1
- UN "Model Regulation":  
 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS), 9, III
8. Transport precautions  
 No further relevant information available.

## 15 Regulatory information

1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Chinese Chemical Inventory of Existing Chemical Substances  
 None of the ingredients is listed.
  - Inventory of Hazardous Chemicals  
 470-82-6 Eucalyptol
  - 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.                                   |
| H228 | Flammable solid.                                      |
| 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.                  |
| H318 | Causes serious eye damage.                            |
| H319 | Causes serious eye irritation.                        |
| H320 | Causes eye irritation.                                |
| H332 | Harmful if inhaled.                                   |
| H336 | May cause drowsiness or dizziness.                    |
| H371 | May cause damage to organs.                           |
| 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. |

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H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

**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-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

SVHC: Substances of Very High Concern

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.