

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31, Latest Amendment

Version number: 4.0 (replaces version: 3.0)

Revision: 30.03.2023

Printing date: 17.04.2023

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

1. Product identifier
- Trade name:  
SANTAL AUSTRALIE HE
  - CAS Number:  
8024-35-9
  - EC number:  
296-618-5
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.
  - Uses advised against  
not applicable
3. Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
ROBERTET 37 avenue Sidi-Brahim  
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. Emergency telephone number:
- ORFILA (INRS): + 33 (0)1 45 42 59 59 Poison Control and Toxicovigilance Centers ANGERS: 02 41 48 21 21  
BORDEAUX: 05 56 96 40 80 LILLE: 0800 59 59 59 LYON: 04 72 11 69 11 MARSEILLE: 04 91 75 25 25 NANCY: 03 83 22 50 50 PARIS: 01 40 05 48 48 STRASBOURG: 03 88 37 37 37, TOULOUSE: 05 61 77 74 47

## SECTION 02: Hazards identification

1. Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 - H315 Causes skin 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 H statements: see section 16

2. Label elements
- Labelling according to Regulation (EC) No 1272/2008

- Hazard pictograms



GHS07



GHS09

- Signal word  
Warning

- Hazard-determining components of labelling:  
alpha-Santalol / beta-Santalol / Farnesol / (E)-beta-Santalol (trans- beta Santalol) / Nerolidol (trans) / l-b-Bisabolene

- Hazard statements

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H315 Causes skin 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.  
 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

- Results of PBT and vPvB assessment
- PBT:  
Not applicable.
- vPvB:  
Not applicable.
- Determination of endocrine-disrupting properties  
None of the ingredients is listed.

**SECTION 03: Composition/information on ingredients**

- Chemical characterization

- CAS Number:

8024-35-9

- EINECS Number:

296-618-5

- Dangerous components:

CAS Number		%
<b>115-71-9</b>	<b>alpha-Santalol</b>	<b>20,00- 30,00</b>
	EC number: 204-102-8	
	Skin Sens. 1B - H317	
<b>77-42-9</b>	<b>beta-Santalol</b>	<b>10,00- 20,00</b>
	EC number: 201-027-2	
	Skin Sens. 1B - H317	
<b>4602-84-0</b>	<b>Farnesol</b>	<b>10,00- 20,00</b>
	EC number: 225-004-1	
	Skin Irrit. 2 - H315, Skin Sens. 1B -	
	H317; Aquatic Acute 1 - H400, Aquatic	
	Chronic 1 - H410	
<b>37172-32-0</b>	<b>(E)-beta-Santalol (trans-beta Santalol)</b>	<b>1,00- 5,00</b>
	Skin Sens. 1B - H317	
<b>40716-66-3</b>	<b>Nerolidol (trans)</b>	<b>1,00- 5,00</b>
	EC number: 255-053-4	
	Eye Irrit. 2 - H319, Skin Sens. 1B -	
	H317; Aquatic Acute 1 - H400, Aquatic	
	Chronic 1 - H410	
<b>495-61-4</b>	<b>l-b-Bisabolene</b>	<b>0,10- 1,00</b>
	EC number: 610-461-5	
	Asp. Tox. 1 - H304; Acute Tox. 4	
	- H332, Skin Irrit. 2 - H315, Skin Sens. 1B	
	- H317; Aquatic Chronic 2 - H411	
<b>98-01-1</b>	<b>furfural</b>	<b>0,10- 1,00</b>
	EC number: 202-627-7	
	Carc. 2	

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<b>11028-42-5</b>	Acute Tox. 3 - H301, Acute Tox. 3 - H331; Flam. Liq. 3 - H226; Acute Tox. 4 - H312, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335; Carc. 2 - H351; Aquatic Chronic 3 - H412 <b>Cedrene</b> EC number: 234-257-7 Asp. Tox. 1 - H304; Skin Irrit. 2 - H315; Aquatic Acute 1 - H400 (M=10), Aquatic Chronic 1 - H410 (M=10)	<b>0,001- 0,10</b>
<b>97-54-1</b>	<b>Isoeugenol</b> EC number: 202-590-7 Acute Tox. 4 - H302, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1A - H317, STOT SE 3 - H335; Skin Sens. 1A; H317: C >= 0,01 %	<b>0,001- 0,10</b>

**SECTION 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.
- 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.

**SECTION 05: Firefighting measures**

- 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
- Special hazards arising from the substance or mixture  
No further relevant information available.
- Advice for firefighters  
No specific advice

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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:  
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. Reference to other sections  
See Section 13 for disposal information.

**SECTION 07: Handling and storage**

1. 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. 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..)
  - Information about storage in one common storage facility:  
Not required.
  - Further information about storage conditions:  
None.
3. Specific end use(s)  
No further relevant information available.

**SECTION 08: Exposure controls/personal protection**

1. Control parameters
  - 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.
  - Ingredients with biological limit values:  
No further relevant information available.
2. Exposure controls
  - Appropriate engineering controls  
No further data; see item 7.
  - Individual protection measures, such as personal protective equipment
    - General protective and hygienic measures:  
Avoid contact with the eyes and skin.
    - Eye/face protection  
Safety glasses
    - Skin protection
    - 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
    - Material of gloves
    - 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.
    - Respiratory protection:

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- Use suitable respiratory protective device in case of insufficient ventilation.
- Thermal hazards  
No further relevant information available.
  - Environmental exposure controls  
No further relevant information available.

**SECTION 09: Physical and chemical properties****Information on basic physical and chemical properties****General Information**

<b>Physical state</b>	Fluid
<b>Form:</b>	Viscous
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Characteristic
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	> 35 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	>= 100 °C
<b>Auto-ignition temperature:</b>	Not determined.
<b>Ignition temperature:</b>	Undetermined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not determined.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density</b>	0,9450 - 0,9800 (20°C)
<b>Vapour density</b>	Not determined.
<b>Particle characteristics</b>	Not determined.
<b>Other information</b>	No further relevant information available.
<b>Surface tension:</b>	Not determined.
<b>Explosive properties:</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	not applicable
<b>Flammable gases</b>	not applicable
<b>Aerosols</b>	not applicable
<b>Oxidising gases</b>	not applicable
<b>Gases under pressure</b>	not applicable
<b>Flammable liquids</b>	not applicable
<b>Flammable solids</b>	not applicable
<b>Self-reactive substances and mixtures</b>	not applicable
<b>Pyrophoric liquids</b>	not applicable

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<b>Pyrophoric solids</b>	not applicable
<b>Self-heating substances and mixtures</b>	not applicable
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	not applicable
<b>Oxidising liquids</b>	not applicable
<b>Oxidising solids</b>	not applicable
<b>Organic peroxides</b>	not applicable
<b>Corrosive to metals</b>	not applicable
<b>Desensitised explosives</b>	not applicable
<b>Other safety characteristics</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

**SECTION 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.

**SECTION 11: Toxicological information**

1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity  
Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

\*

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Oral, LD50: 25000,00 mg/kg  
Inhalative, LC50/4h: 1000,00 mg/l

- Skin corrosion / irritation  
Causes skin irritation.
- Serious eye damage / irritation  
Based on available data, the classification criteria are not met.
- 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

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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.

## 2. Information on other hazards

- Endocrine disrupting properties  
None of the ingredients is listed.

- Other information  
No further relevant information available.

**SECTION 12: Ecological information**

## 1. Toxicity

- Aquatic toxicity:  
Based on available data, the classification criteria are not met.

2. Persistence and degradability  
Toxic to aquatic life with long lasting effects.3. Bioaccumulative potential  
Not available4. Mobility in soil  
Not available

## 5. Results of PBT and vPvB assessment

- PBT:  
Not applicable.

- vPvB:  
Not applicable.

6. Endocrine disrupting properties  
The product does not contain substances with endocrine disrupting properties.7. Other adverse effects  
No further relevant information available.**SECTION 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.

**SECTION 14: Transport information**

## 1. UN number or ID number

.ADR UN3082

.IMDG UN3082

.IATA UN3082

## 2. UN proper shipping name

.ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PERFUMERY PRODUCTS)*(continued on page 8)*

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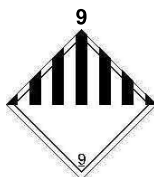
**.IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PERFUMERY PRODUCTS)

**.IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PERFUMERY PRODUCTS)

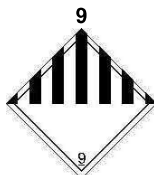
## 3. Transport hazard class(es)

**.ADR****.Class**

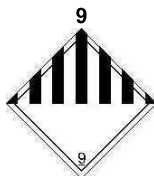
9 (M6) Miscellaneous dangerous substances and articles.

**.Label****.IMDG****.Class**

9 Miscellaneous dangerous substances and articles.

**.Label****.IATA****.Class**

9 Miscellaneous dangerous substances and articles.

**.Label**

## 4. Packing group

**.ADR**

III

**.IMDG**

III

**.IATA**

III

## 5. Environmental hazards:

**.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. Maritime transport in bulk according to IMO instruments

Not applicable.

## • Transport/Additional information:

**.ADR****.Excepted quantities (EQ):**

E1

**.Limited quantities (LQ)**

5L

**.Transport category**

3

**.IMDG****.Limited quantities (LQ)**

5L

**.Excepted quantities (EQ)**

E1

## • UN "Model Regulation":

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UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS), 9, III

**SECTION 15: Regulatory information**

1. Safety, health and environmental regulations/legislation specific for the substance or mixture
  - **REGULATION (EC) No 1907/2006 ANNEX XVII**  
Conditions of restriction: 3
  - **DIRECTIVE 2011/65/EU** on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II  
None of the ingredients is listed.
  - **REGULATION (EU) 2019/1148**
  - **Annex I - RESTRICTED EXPLOSIVES PRECURSORS** (Upper limit value for the purpose of licensing under Article 5(3))  
None of the ingredients is listed.
  - **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**  
None of the ingredients is listed.
  - **Regulation (EC) No 273/2004** on drug precursors  
None of the ingredients is listed.
  - **Regulation (EC) No 111/2005** laying down rules for the monitoring of trade between the Community and third countries in drug precursors  
None of the ingredients is listed.
- **National regulations:**
- **Technical instructions (air):**
- **Class Share in %**  
I 0,40
- **Waterhazard class:**  
Water hazard class 2 (Self-assessment): hazardous for water.
2. **Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.

**SECTION 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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H400	Very toxic 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.
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

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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

\* • Date of previous version:  
07.02.2023

\* • Version number of previous version:  
3.0

\* Data compared to the previous version altered.