

SAFETY DATA SHEET

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

Version number: 85154003

Revision: 11.12.2025

Printing date: 28.01.2026

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

1. Product identifier
 - Trade name:
Birch Tar RECO - ROBERTET
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
 - Further information obtainable from:
ORFILA (INRS)
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

02 Hazards identification

1. Classification of the substance or mixture



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.



GHS07

Skin Sens. 1 - H317 May cause an allergic skin reaction.
Acute Tox. 5 - H333 May be harmful if inhaled.
H316 Causes mild skin irritation.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
Aquatic Acute 2 - H401 Toxic to aquatic life.

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

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GHS08 GHS02 GHS07 GHS09

- Signal word
Danger
- Hazard-determining components of labelling:
(-)-alpha-gurjunene / beta-Caryophyllene / p-Cymene
- Hazard statements
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H333 May be harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements
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.
P233 Keep container tightly closed.
P331 Do NOT induce vomiting.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

03 Composition/information on ingredients

- Chemical characterization

- Dangerous components:

CAS Number		%
489-40-7	(-)-alpha-gurjunene EC number: 207-695-1 Asp. Tox. 1 - H304	10,00- 20,00
3691-12-1	alpha-Guaiene EC number: 641-402-1 Asp. Tox. 1 - H304; Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A - H319	1,00- 5,00
141-78-6	ethyl acetate EC number: 205-500-4 Flam. Liq. 2 - H225; STOT SE 3 - H336; Serious eye damage/irritation - Category 2B - H320	1,00- 5,00
3691-11-0	delta-Guaiene Asp. Tox. 1 - H304; Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A - H319	1,00- 5,00
469-61-4	Alpha cedrene EC number: 207-418-4 Asp. Tox. 1 - H304; Skin Irrit. 2 - H315; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1,00- 5,00
87-44-5	beta-Caryophyllene EC number: 201-746-1	1,00- 5,00

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	Asp. Tox. 1 - H304; Skin Sens. 1B - H317	
2785-87-7	Dihydroeugenol (2-Methoxy-4-propylphenol) EC number: 220-499-0 Eye Dam. 1 - H318; Skin Irrit. 2 - H315, Skin Sens. 1B - H317, STOT SE 3 - H335; Acute Tox. 5 - H303, Aquatic Acute 2 - H401	0,10- 1,00
546-28-1	beta cedrene (M factor 10) EC number: 208-898-8 Asp. Tox. 1 - H304; Skin Irrit. 2 - H315; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0,10- 1,00
97-53-0	4-Allyl-2-methoxyphenol EC number: 202-589-1 Serious eye damage/irritation - Category 2A - H319, Skin Sens. 1B - H317; Acute Tox. 5 - H303, H316, Aquatic Acute 2 - H401	0,10- 1,00
475-20-7	Longifolene EC number: 207-491-2 Asp. Tox. 1 - H304; Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316	0,10- 1,00
17627-44-0	a-Bisabolene EC number: 241-610-9 Asp. Tox. 1 - H304; Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 2 - H411; Aquatic Acute 2 - H401	0,10- 1,00
99-87-6	p-Cymene EC number: 202-796-7 Repr. 2 Acute Tox. 3 - H331; Repr. 2 - H361, Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Acute Tox. 5 - H303; Aquatic Chronic 2 - H411; Aquatic Acute 2 - H401	0,10- 1,00

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

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No further relevant information available.

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3. Indication of any immediate medical attention and special treatment needed
No further relevant information available.

05 Firefighting measures

- Extinguishing media
 - Suitable extinguishing agents:
CO₂, 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

06 Accidental release measures

- 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.
- 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.
Ensure adequate ventilation.
- Reference to other sections
See Section 13 for disposal information.

07 Handling and storage

- 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
 - 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:
Keep container tightly sealed.
Protect from heat and direct sunlight.
- Specific end use(s)
No further relevant information available.

08 Exposure controls/personal protection

- Control parameters
 - Ingredients with limit values that require monitoring at the workplace:
141-78-6 ethyl acetate 1,00- 5,00 %
IOELV
Short-term value 1468 mg/m³

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	400	ppm
Long-term value	734	mg/m3
	200	ppm

- Ingredients with biological limit values:
No further relevant information available.

2. Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:
Avoid contact with the eyes and skin.
- Respiratory protection:
Not required.
- 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.
- Eye protection:
Safety glasses
- Body protection:
Protective work clothing
- Limitation and supervision of exposure into the environment
No further relevant information available.

09 Physical and chemical properties**General Information**

Physical state	Fluid
Appearance:	
Form:	Fluid
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	> 35 °C
Flash point:	47 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density	0,9390 - 0,9590 (20°C)
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not determined.
Partition coefficient: n-octanol/water:	Not determined.

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Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Particle characteristics	Not determined.
Other information	No further relevant information available.
Additional information	Not applicable.
Surface tension:	Not determined.

10 Stability and reactivity

1. Reactivity
No further relevant information available.
2. Chemical stability
Good stability at conditions of use mentionned 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.

11 Toxicological information

1. Information on toxicological effects
 - Acute toxicity
May be harmful if inhaled.
- LD/LC50 values relevant for classification:
Birch Tar RECO - ROBERTET
Inhalative, LC50/1h: 1781,47 mg/l
- Skin corrosion / irritation
Causes mild 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
Based on available data, the classification criteria are not met.
 - STOT repeated exposure
Based on available data, the classification criteria are not met.

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- Aspiration hazard
May be fatal if swallowed and enters airways.
- Aspiration hazard
May be fatal if swallowed and enters airways.
- Other information
No further relevant information available.

12 Ecological information

1. Toxicity
 - Aquatic toxicity:
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.

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

1. UN-Number
 - .ADR UN1197
 - .IMDG UN1197
 - .IATA UN1197
2. UN proper shipping name
 - .ADR 1197 EXTRACTS, LIQUID
 - .IMDG EXTRACTS, LIQUID (ALPHA-CEDRENE (M FACTOR 10))
 - .IATA EXTRACTS, LIQUID
3. Transport hazard class(es)
 - .ADR
 - .Class 3 (F1) Flammable liquids.
 - .Label

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.IMDG

.Class

3 Flammable liquids.

.Label

3



.IATA

.Class

3 Flammable liquids.

.Label

3



4. Packing group

.ADR

III

.IMDG

III

.IATA

III

5. Environmental hazards:

.Marine pollutant:

Yes

6. Special precautions for user

Warning: Flammable liquids.

.Danger code (Kemler):

30

.EMS Number:

F-E,S-D

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

.Tunnel restriction code

D/E

.IMDG

.Limited quantities (LQ)

5L

.Excepted quantities (EQ)

E1

• UN "Model Regulation":

UN 1197 EXTRACTS, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

- National regulations:
 - Waterhazard class:
Water hazard class 3 (Self-assessment): extremely hazardous for water.
 - PFAS
None of the ingredients is listed.
2. Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

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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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
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.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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
SVHC: Substances of Very High Concern

4. Sources

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

* Data compared to the previous version altered.