



2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

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

- 1.1 Product identifier
- Trade name: JUNIPER twigs OIL
- Article number: 437
- CAS Number:
- 8002-68-4 • EC Number:
- 283-268-3
- No CAS EINECS: 84603-69-0
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation Only for industrial use
- 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GOLGEMMA TEL: +33(0)4.68.74.17.89 Route de FA email: fds@golgemma.com

11260 ESPERAZA

FRANCE

1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59

SECTION 02: Hazards identification

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



GHS08

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



GHS02

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



GHS07

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



GHS09

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

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms







GHS07



GHS08 GHS02

Signal word

Danger

Hazard statements

(continued on page 2)

Page: 2 / 11



CHEMICAL SAFETY DATA SHEET

according to 2020/878/EC (1907/2006/EC Article 31)

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

(continued of page 1)

PRODUCT: JUNIPER twigs OIL

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 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

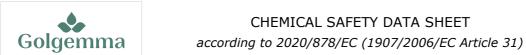
3.1 Substances

CAS No. Description

8002-68-4 Juniperus communis L.

- Identification number(s)
- EC number: 283-268-3

	Dangerous co	emponents:	
*	CAS Number		%
	80-56-8	ALPHA-PINENE	50,001-100
		EC number: 201-291-9	
		🕸 Asp. Tox. 1 - H304; 🕚 Flam. Liq. 3	
		- H226; 💠 Acute Tox. 4 - H302, Skin	
		Irrit. 2 - H315, Skin Sens. 1B - H317	
	127-91-3	BETA-PINENE	10,001-20,00
		EC number: 204-872-5	
		🕸 Asp. Tox. 1 - H304; 🍥 Flam. Liq. 3	
		- H226; 🔱 Skin Irrit. 2 - H315, Skin	
		Sens. 1B - H317	
	123-35-3	Myrcene	5,001-10,00
		EC number: 204-622-5	
		🕸 Asp. Tox. 1 - H304; 🇆 Flam. Liq. 3	
		- H226; 🔱 Skin Irrit. 2 - H315, Eye	
		Irrit. 2 - H319	
*	5989-27-5	d-limonene	1,001- 5,000
		EC number: 227-813-5	
		🕸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
		- H226; 🔱 Skin Irrit. 2 - H315, Skin	
		Sens. 1B - H317; 🌢 Aquatic Acute 1 -	
		H400 (M=1); Aquatic Chronic 3 - H412	
*	87-44-5	BETA-CARYOPHYLLENE	1,001- 5,000
*		EC number: 201-746-1	
*		Asp. Tox. 1 - H304; Skin Sens.	
			(continued on page 3)



Page : 3 / 11

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT:	JUNIPER twigs OIL	
		(continued of page 2)
	1B - H317	
3387-41-5	sabinene	1,001- 5,000
	EC number: 222-212-4	
	♠ Acute Tox. 4 - H302	
98-55-5	alpha-Terpineol	1,001- 5,000
	EC number: 202-680-6	
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
475.00.7	H319	4 004 5 000
475-20-7	longifolene EC number: 207-491-2	1,001- 5,000
	Skin Irrit.	
	2 - H315, Skin Sens. 1B - H317; 🄄	
	Aquatic Acute 1 - H400 (M=10), Aquatic	
	Chronic 1 - H410 (M=10)	
99-87-6	p-cymene	1,001- 5,000
	EC number: 202-796-7	, ,
	🔗 Acute Tox. 3 - H331; 😵 Asp. Tox. 1	
	- H304; 🚸 Flam. Liq. 3 - H226; 🤄	
	Aquatic Chronic 2 - H411	
586-62-9	TERPINOLENE	0,101-1,000
	EC number: 209-578-0	
	♦ Asp. Tox. 1 - H304; ♦ Skin Sens.	
	1B - H317; 🚯 Aquatic Acute 1 - H400	
	(M=1), Aquatic Chronic 1 - H410 (M=1)	
562-74-3	4-Carvomenthenol EC number: 209-235-5	0,101-1,000
	Acute Tox. 4 - H302, Acute Tox. 4 -	
	H332, Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317, STOT SE 3 - H336	
99-85-4	p-Mentha-1,4-diene	0,101-1,000
	EC number: 202-794-6	
	🊸 Flam. Liq. 3 - H226; 🚸 Repr. 2 -	
	H361; 🌜 Aquatic Chronic 2 - H411	
79-92-5	camphene	0,101-1,000
	EC number: 201-234-8	
	Flam. Sol. 1 - H228; 🔱 Eye Irrit.	
	2 - H319; 🍫 Aquatic Acute 1 - H400 (M=1)	
	, Aquatic Chronic 1 - H410 (M=1)	
99-86-5	1-isopropyl-4-methylcyclohexa-1,3-diene	0,101-1,000
	EC number: 202-795-1	
	♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3	
	- H226;	
	Sens. 1 - H317; 锋 Aquatic Chronic 2 - H411	



Page: 4 / 11

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

(continued of page 3)

PRODUCT: JUNIPER twigs OIL

SECTION 04: First aid measures

4.1 Description of first aid measures

· General information:

Seek immediate medical advice.

• After inhalation:

Supply fresh air and to be sure call for a doctor.

• After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing:

Seek immediate medical advice.

• Information for doctor:

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2, sand, extinguishing powder. Do not use water.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents:
 Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- Protective equipment:

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

SECTION 06: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

ΕU

(continued on page 5)



Page: 5 / 11

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT: JUNIPER twigs OIL

(continued of page 4)

SECTION 07: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Handle with care. Avoid jolting, friction and impact.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/ product.

- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

SECTION 08: Exposure controls/personal protection

8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin. Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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/face protection
 - Safety glasses
- Body protection:

Impervious protective clothing

Boots

FU





CHEMICAL SAFETY DATA SHEET

according to 2020/878/EC (1907/2006/EC Article 31)

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT: JUNIPER twigs OIL

(continued of page 5)

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Colour: colourless to light yellow

Odour: balsamic Odour threshold: Not determined. Boiling point or initial boiling point and Not determined.

boiling range

Flammability Not determined.

Lower and upper explosion limit

Not determined. Lower: Upper: Not determined.

NFT 60-103 CC Flash point: 41,0 °C

Decomposition temperature: Not determined pН Not determined

Viscosity:

Not determined. Kinematic viscosity Not determined Dynamic:

Solubility

water: Not determined. Partition coefficient n-octanol/water (log Not determined.

value)

Vapour pressure: Not determined.

Density and/or relative density

Density: Not determined. Relative density 0,8570 0,872 D20/20 Vapour density Not determined.

9.2 Other information No further relevant information available.

Appearance:

Form: fluid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Not determined Not determined **Explosive properties:**

Solvent content:

Solids content: 0,00 %

Change in condition

Evaporation rate Not determined.

Information with regard to physical hazard classes

Explosives not applicable Flammable gases not applicable **Aerosols** not applicable Oxidising gases not applicable Gases under pressure not applicable

Flammable liquids Flammable liquid and vapour.

Flammable solids not applicable Self-reactive substances and mixtures not applicable **Pyrophoric liquids** not applicable Pyrophoric solids not applicable Self-heating substances and mixtures not applicable Substances and mixtures, which emit not applicable

flammable gases in contact with water

(continued on page 7)

Page: 7 / 11



CHEMICAL SAFETY DATA SHEET

according to 2020/878/EC (1907/2006/EC Article 31)

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT: JUNIPER twigs OIL

(continued of page 6)

 Oxidising liquids
 not applicable

 Oxidising solids
 not applicable

 Organic peroxides
 not applicable

 Corrosive to metals
 not applicable

 Desensitised explosives
 not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity
- LD/LC50 values relevant for classification:

ISO LD/LC

8002-68-4 Juniperus communis L.

Oral, LD50: >=5000 mg/kg (rat) Dermal, LD50: >=5000 mg/kg (Rabbit)

5989-27-5 (R)-p-mentha-1,8-diene

Oral, LD50: 4400 mg/kg (rat)

87-44-5 BETA-CARYOPHYLLENE

Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

* 98-55-5 alpha-Terpineol

Oral, LD50: 4300 mg/kg (rat)

79-92-5 camphene Oral, LD50: 5000 mg/kg (rat)

Dermal, LD50: 2500 mg/kg (Rabbit)

99-86-5 ALPHA-TERPINENE

Oral, LD50: 1680 mg/kg (ATE)

• Primary irritant effect:

• Skin corrosion/irritation

Irritant to skin and mucous membranes.

Causes skin irritation.

Serious eye damage/irritation

No irritating effect.

Respiratory or skin sensitisation

Sensitization possible through skin contact.

Germ cell mutagenicity

87-44-5 BETA-CARYOPHYLLENE

OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

Carcinogenicity

Not determined.

Reproductive toxicity

Not determined.

 STOT-single exposure Not determined.

(continued on page 8)



Page: 8 / 11

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT: JUNIPER twigs OIL

• STOT-repeated exposure

Not determined.

Aspiration hazard

May be fatal if swallowed and enters airways. May be fatal if swallowed and enters airways.

Subacute to chronic toxicity:

87-44-5 BETA-CARYOPHYLLENE

Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)

- 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

• Aquatic toxicity:

8002-68-4 Juniperus communis L.

CE50/48h: 21,995 mg/l $\dot{}$ (daphnia) (OECD 202 / EU Method C.2)

ErC50(0-72h): 13 mg/l (algae) (OECD 201)

96h-LC50: 29,173 mg/l (fish) (OECD 203 / EU Method C.1)

123-35-3 Myrcene

LD50: 0,51 mg/l (fish) (OECD 203) CE50/48h: 0,65 mg/l (daphnia)

5989-27-5 (R)-p-mentha-1,8-diene

LD50: 0,71 mg/l (fish) (OECD 203)

99-87-6 p-cymene

LD50: 1,63 mg/l (fish) (OECD 203)

12.2 Persistence and degradability

No further relevant information available.

• Behaviour in environmental systems: Not determined.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

No further relevant information available.

• Ecotoxical effects:

Not determined.

- Additional ecological information:
- · General notes:

The material is harmful to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation
 - Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

ΕU

(continued on page 9)

(continued of page 7)





2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT: JUNIPER twigs OIL

(continued of page 8)

SECTION 14: Transport information

14.1 UN number or ID number

. ADR UN1197
. IMDG UN1197
. IATA UN1197

14.2 UN proper shipping name

. ADR 1197 EXTRACTS, LIQUID

. IMDG EXTRACTS, LIQUID (JUNIPERUS COMMUNIS L.)

. IATA EXTRACTS, LIQUID

14.3 Transport hazard class(es)

. ADR

. Class 3 (F1) Flammable liquids.

Label





. IMDG

. Class 3 Flammable liquids.

Label





IATA

Class 3 Flammable liquids.

Label



14.4 Packing group

14.5 Environmental hazards:

. Marine pollutant: Yes
. Danger code (Kemler): 30
. EMS Number: F-E,S-D

14.6 Special precautions for user

Warning: Flammable liquids.

14.7 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
. Tunnel restriction code D/E

(continued on page 10)



Page: 10 / 11

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

(continued of page 9)

PRODUCT: JUNIPER twigs OIL

. IMDG

Limited quantities (LQ)Excepted quantities (EQ)

• UN "Model Regulation":

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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- PFAS
 - None of the ingredients is listed.
 - 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 %

Waterhazard class:

Generally not hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

Relevant phrases

Flammable liquid and vapour. H226 Flammable solid. H228 H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. May cause an allergic skin reaction. H317 H319 Causes serious eye irritation. H331 Toxic if inhaled. Harmful if inhaled. H332 H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child. 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.

(continued on page 11)



Page : 11 / 11

2894402

Reviewed on: 16.09.2025 Printing date: 16.09.2025

PRODUCT: JUNIPER twigs OIL

Training hints

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the

(continued of page 10)

· Abbreviations and acronyms:

labeling of the product.

IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry

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

DOT: US Department of Transportation

IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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 vPvB: very Persistent and very Bioaccumulative

Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

• * Data compared to the previous version altered.