

BIRCH TAR OIL RECTIFIED EXTRA

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1. Product identifier

Denomination : BIRCH TAR OIL RECTIFIED EXTRA
Reference : E0785

CAS#: 8001-88-5
REACH#: Exempted < 1t

1.2. Relevant identified uses of the substance or mixture and uses advised against

Aromatic ingredient - for industrial use only, do not consume as such

1.3. Details of the supplier of the safety data sheet

PAYAN BERTRAND
28 Avenue Jean XXIII - BP 61057
06131 GRASSE cedex - FRANCE
Tel. +33 (4) 93 40 14 14 (8:15-12:00 / 12:45-16:00)
Web. www.payanbertrand.com
Email. regulatory@payanbertrand.com

1.4. Emergency telephone number

+33 613 35 57 58 (24h / 24h)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification :

RegulationCLP

ATO4	Acute Tox. 4 (Oral)	Acute oral toxicity 4
ED11	Eye Dam. 1	Serious eye damage/Eye irritation 1
MUT2	Muta. 2	Germ cell mutagenicity 2
SC11B	Skin Corr. 1B	Skin corrosion/irritation 1B
SS1	Skin Sens. 1	Skin sensitisation 1

H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H341 - Suspected of causing genetic defects.

Refer to the section 16 for the all hazard statements.

2.2. Label elements

GHS Classification :

BIRCH TAR OIL RECTIFIED EXTRA

RegulationCLP



Warning statement : DANGER

ATO4 Acute Tox. 4 (Oral) Acute oral toxicity 4
 EDI1 Eye Dam. 1 Serious eye damage/Eye irritation 1
 MUT2 Muta. 2 Germ cell mutagenicity 2
 SC11B Skin Corr. 1B Skin corrosion/irritation 1B
 SS1 Skin Sens. 1 Skin sensitisation 1

H302 - Harmful if swallowed.
 H314 - Causes severe skin burns and eye damage.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H341 - Suspected of causing genetic defects.

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.

Contains 2-Methoxy-p-cresol, Guaiacol, p-Cresol, 2,6-Dimethoxyphenol

2.3. Other hazards

Not concerned

3. COMPOSITION / INFORMATION ON INGREDIENTS

INCI Name : BETULA PENDULA TWIG OIL

3.1. Substances

Identification number	Substance	Hazard classes & H-phrases	LCS / M-factors / ATE	%
CAS# 93-51-6 EINECS# 202-252-9	2-Methoxy-p-cresol	Acute Tox. 4 (Oral), Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1B H302, H319, H315, H317	ATE (Orale) : 630mg/kg	10.000
CAS# 90-05-1 EINECS# 201-964-7 INDEX# 604-031-00-6	Guaiacol	Acute Tox. 4 (Oral), Eye Irrit. 2, Skin Irrit. 2 H302, H319, H315	ATE (Orale) : 500mg/kg	6.000
CAS# 106-44-5 EINECS# 203-398-6 INDEX# 604-004-00-9	p-Cresol	Acute Tox. 3 (Dermal, Acute Tox. 3 (Oral), Eye Dam. 1, Aquatic Chronic 3, Skin Corr. 1B H311, H301, H318, H412, H314	ATE (Dermale) : 300mg/kg ATE (Orale) : 207mg/kg	4.000
CAS# 91-10-1 EINECS# 202-041-1	2,6-Dimethoxyphenol	Acute Tox. 4 (Oral), Eye Irrit. 2, Skin Irrit. 2, Stot Se 3 H302, H319, H315, H335	ATE (Orale) : 790mg/kg	3.000
CAS# 108-95-2 EINECS# 203-632-7 INDEX# 604-001-00-2	Phenol	Acute Tox. 3 (Dermal, Acute Tox. 3 (Inhala, Acute Tox. 3 (Oral), Muta. 2, Skin Corr. 1B, Stot Re 2 H311, H331, H301, H341, H314, H373	ATE (Dermale) : 300mg/kg ATE (Orale) : 100mg/kg ATE (Inhalation) : 3mg/L	2.800
CAS# 2785-87-7 EINECS# 220-499-0	2-Methoxy-4-propylphenol	Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1B, Stot Se 3 H318, H315, H317, H335		2.300

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CAS# 95-48-7 EINECS# 202-423-8 INDEX# 604-004-00-9	O-cresol	Acute Tox. 3 (Dermal, Acute Tox. 3 (Oral), Eye Dam. 1, Aquatic Chronic 3, Skin Corr. 1B H311, H301, H318, H412, H314	ATE (Dermale) : 690mg/kg ATE (Orale) : 121mg/kg	2.000
CAS# 97-54-1 EINECS# 202-590-7 INDEX# 604-094-00-X	Isoeugenol	Acute Tox. 4 (Dermal, Acute Tox. 4 (Inhala, Acute Tox. 4 (Oral), Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1A, Stot Se 3 H312, H332, H302, H319, H315, H317, H335	SS1A (M=1) SS1A - H317 : C >= 0.01 % ATE (Dermale) : 1912mg/kg ATE (Orale) : 1500mg/kg ATE (Inhalation) : 11.25mg/L	1.800
CAS# 97-53-0 EINECS# 202-589-1	Eugenol	Eye Irrit. 2, Skin Sens. 1B H319, H317		1.500
CAS# 87-44-5 EINECS# 201-746-1	Caryophyllene	Asp. Tox. 1, Skin Sens. 1B H304, H317		0.510
CAS# 98-01-1 EINECS# 202-627-7 INDEX# 605-010-00-4	2-Furaldehyde	Acute Tox. 4 (Dermal, Acute Tox. 2 (Inhala, Acute Tox. 3 (Oral), Carc. 2, Eye Irrit. 2, Aquatic Chronic 3, Flam. Liq. 3, Skin Irrit. 2, Stot Se 3 H312, H330, H301, H351, H319, H412, H226, H315, H335	ATE (Dermale) : 1100mg/kg ATE (Orale) : 100mg/kg ATE (Inhalation) : 1mg/L	0.500
CAS# 5989-27-5 EINECS# 227-813-5 INDEX# 601-096-00-2	(R)-p-mentha-1,8-diene	Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B H304, H400, H412, H226, H315, H317		0.400
CAS# 98-00-0 EINECS# 202-626-1 INDEX# 603-018-00-2	Alcool furfurylique	Acute Tox. 3 (Dermal, Acute Tox. 2 (Inhala, Acute Tox. 3 (Oral), Carc. 2, Eye Irrit. 2, Skin Irrit. 2, Stot Re 2, Stot Se 3 H311, H330, H301, H351, H319, H315, H373, H335	ATE (Dermale) : 530mg/kg ATE (Orale) : 250mg/kg ATE (Inhalation) : 1mg/L	0.300
CAS# 1192-62-7 EINECS# 214-757-1	2-Furyl methyl ketone	Acute Tox. 2 (Dermal, Acute Tox. 2 (Inhala, Acute Tox. 3 (Oral), Eye Irrit. 2 H310, H330, H301, H319	ATE (Dermale) : 100mg/kg ATE (Orale) : 140mg/kg ATE (Inhalation) : 1.3mg/L	0.200
CAS# 91-64-5 EINECS# 202-086-7	Coumarine	Acute Tox. 3 (Oral), Skin Sens. 1B H301, H317	ATE (Orale) : 290mg/kg	0.175
CAS# 100-42-5 EINECS# 202-851-5 INDEX# 601-026-00-0	Styrene	Asp. Tox. 1, Acute Tox. 4 (Inhala, Eye Irrit. 2, Aquatic Chronic 3, Flam. Liq. 3, Repr. 2, Skin Irrit. 2, Stot Re 1, Stot Se 3 H304, H332, H319, H412, H226, H361, H315, H372, H335	ATE (Inhalation) : 11mg/L	0.150

Not concerned

EINECS/ELINCS : 288-919-5

REACH : Exempted < 1t

CAS : 8001-88-5

Product type : Essential oil

3.2. Mixtures

No concerned

4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact : Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water for at least 15 minutes. Contact a physician if necessary.

Eye Contact : Flush immediatly with clean water for at least 10 minutes. Contact a physician if necessary.

Ingestion : Rinse the mouth. Contact a physician immediately.

Excessive inhalation : Remove to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available. Contact a physician if necessary.

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4.2. Most important symptoms and effects, both acute and delayed

Take into account hazard and safety statements.

4.3. Indication of any immediate medical attention and special treatment needed

None.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Recommended : Carbondioxide, dry chemical or foam.

Not recommended : Direct water.

5.2. Special hazards arising from the substance or mixture

Cool down other threatened recipients with pulverized water.
Do not inhale fire fumes or gases (CO, CO₂, organic products).

Flammability class : *The product is not flammable.*

5.3. Advice for firefighters

Never use a direct stream of water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, clothes.
Provide adequate ventilation.

6.2. Environmental precautions

Prevent contamination of soil, ground and surface water.

6.3. Methods and material for containment and cleaning up

Gross spillages should be contained by use of sand or inert powder and disposed off in accordance with local laws and regulations.

6.4. Reference to other sections

No concerned

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away all ignition sources.
Provide adequate ventilation.
Do not eat, drink, smoke in the working areas.

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Wash hands after use.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in a cool, dry and ventilated area away from heat sources, and protected from light in tightly closed original container. Keep air contact to a minimum.

Packing material :

- *not recommended* : naked iron.

7.3. Specific end use(s)

Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

No concerned

8.2. Exposure controls

To avoid eye and mucous membrane projection and according to the working area organization wearing eye glasses and gloves is recommended.

Avoid excessive inhalation of concentrated vapors.

Do not re-use empty containers : Quickly get clear of sponges, wovens, ... etc, used to sponge the product. Keep away from food and drink.

Hygien and safety at work : adapted personal protective equipment is advised.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Vapour pressure (mmHg) :	0.3
Aspect :	Liquid
Colour :	[Light brown ; Dark brown]
Odour :	Characteristic
Specific gravity (20°C) :	[0.930 ; 1.070]
Refractive index (20°C) :	[1.5060 ; 1.5500]
Flash point (°C) :	65
Boiling point (°C) :	175

9.2. Other information

Solubility : ethanol / oil / solvents.

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10. STABILITY AND REACTIVITY

10.1. Reactivity

This product presents no significant reactivity hazard.

10.2. Chemical stability

This product is stable and will not react violently with water.

10.3. Possibility of hazardous reactions

Hazardous reaction will not occur if using conditions and prescriptions are followed.

10.4. Conditions to avoid

Avoid contact or contamination with strong acids, alkalis, or oxidizing agents.

10.5. Incompatible materials

Not relevant.

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided:

No decomposition product if storage and handling conditions are followed.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity:

- Oral : 934.22 (Determined)
- Inhalation : Not classified
- Dermal : 3,114.44 (Determined)

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

11.2. Information on other hazards

Not applicable

12. ECOLOGICAL INFORMATION

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12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

Not applicable

12.7. Other adverse effects

No data available.
Avoid contamination of soil, ground and surface water.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Release to atmosphere : avoid.

Release to surface water : avoid.

Release into natural environment : avoid.

Destruction of waste : incineration.

Treatment of empty containers : re-use inadvisable.

Waste Disposal Methods : Place material and absorbent into sealed containers and dispose off in accordance with current applicable laws and regulations.

14. TRANSPORT INFORMATION

14.1. UN number or ID number

ADR/ADN/RID : Not regulated

IMDG:Not regulated

IATA :Not regulated

14.2. UN proper shipping name

ADR/ADN/RID : Not regulated

IMDG:Not regulated

IATA :Not regulated

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14.3. Transport hazard class(es)

ADR/ADN/RID : Not regulated
IMDG:Not regulated
IATA :Not regulated

14.4. Packing group

ADR/ADN/RID : Not regulated
IMDG:Not regulated
IATA :Not regulated

14.5. Environmental hazards

IMDG : Not regulated

14.6. Special precautions for user

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not regulated

15. REGULATORY INFORMATION

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

General rules of preventing chemical risks - labor code art R4411-1 to R4412-164 related to the reinforced medical surveillance of employees exposed to agents classified CMR and to exposures controls of agents classified CMR.

General rules on ICPE (France) - Manufacturing and/or use and/or stock

Heading 1171,1172 and 1173

Heading 1432 and 1433

Water contamination class (Germany): WGK

15.2. Chemical safety assessment

Not applicable.

16. OTHER INFORMATION

Full list of relevant phrases quoted in section 3 according to Regulation No. (EC) 1272/2008:

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H301+H311	Toxic if swallowed or in contact with skin
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled
H301+H331	Toxic if swallowed or if inhaled
H302	Harmful if swallowed.
H302+H312	Harmful if swallowed or in contact with skin
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled
H302+H332	Harmful if swallowed or if inhaled
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.

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H310+H330	Fatal in contact with skin or if inhaled
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

The information given in this MSDS was obtained from current and reliable sources. However, these data are provided without any warranty, expressed or implied, regarding their correctness or accuracy. Since the conditions of use, handling, storage, and disposal of this product are beyond P&B control, it is the responsibility of the user both to determine safe conditions for use as well as to assume liability for loss, damage, and expenses arising out of improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this SDS.

Acronyms :

REACH: Regulation, Evaluation, Authorization of Chemicals

CSR: Chemical Safety Report

IFRA: International Fragrance Association

IOFI: International Organization of the Flavor Industry

ATE: Acute Toxicity Estimation

ES: Exposure Scenario

Bibliography, data sources: IFRA IOFI Labelling Manual 2022.

Classification of the mixture and evaluation methods according to regulation (CE) n° 1272/2008 :

H224-H225-H226 : Measured

Other hazard statements : Calculated

Classification of substance and evaluation methods according to regulation (CE) n° 1272/2008 : Measured or Calculated

This product is for an industrial use only and not personal use.

Modified points : 3.1 11