

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 2 of 9

Pictograms:



Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with national disposal regulations.

2.3. Other hazards

The product does not meet the PBT or vPvB criteria in Annex XIII of the REACH Regulation.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
91722-33-7	Tar, wood			100 %
	294-436-0		01-2119999006-29-XXXX	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3; H315 H319 H317 H412			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
91722-33-7	294-436-0	Tar, wood	100 %
	oral: LD50 = >2000 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. In case of respiratory irritation, dizziness, nausea or unconsciousness, immediately get medical attention.

After contact with skin

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 3 of 9

After contact with skin, wash immediately with: Water and soap. In case of skin irritation, seek medical

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 4 of 9

treatment. If necessary, change contaminated clothing.

After contact with eyes

Remove contact lenses. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

Causes serious eye irritation. Pain. Tears flow. Redness.

Causes skin irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NO_x). Carbon monoxide Pyrolysis products, toxic

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings. Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

Clear contaminated areas thoroughly. Cleaning agent: Water. Ethanol.

6.4. Reference to other sections

Personal protection equipment: see section 8

Handling and storage: see section 7

For waste disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Provide adequate ventilation.

Consider the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Floors should be impervious, resistant to liquids and easy to clean.

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 5 of 9

Advice on general occupational hygiene

Consider the usual precautions for handling chemicals.

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a cool dry place.

storage temperature: 7-21°C

Hints on joint storage

Materials to avoid: Oxidizing agents. Strong alkali

7.3. Specific end use(s)

Reserved for industrial and professional use.

Used as fuel, Hunting supplies, Pet care product (Hoof & Claw Care), Tree care (wound closure, graftage),

Shoe polish

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Provide protection equipment (eye wash bottles, etc.).

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber).

penetration time (maximum wearing period): <=6h

Thickness of glove material: >=0,11mm

Skin protection

Protective clothing

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering Half-face mask (DIN EN 149).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	viscous
Colour:	dark brown
Odour:	Smoke flavour

Test method

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 6 of 9

Changes in the physical state	
Melting point/freezing point:	- 32,9 up to -22 °C OECD 102
Boiling point or initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	92,5 °C EU A.9
Flammability	
Solid/liquid:	not determined
Gas:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	440 °C EU A.15
Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	171,3 °C
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Water solubility:	0,044 - 0,569 g/L OECD 105
(at 20 °C)	
Partition coefficient n-octanol/ water:	< 0,3 - 2,022 OECD (TG) 117 10,93 hPa OECD 104
Vapour pressure:	14,34 hPa OECD 104
(at 20 °C)	
Vapour pressure:	
(at 25 °C)	1,19 - 1,30 g/cm ³
Relative vapour density:	not determined
Density (at 20 °C):	
9.2. <u>Other information</u>	

No further information available.

SECTION 10: Stability and reactivity

- 10.1. Reactivity
No dangerous reactivity under regular conditions.
- 10.2. Chemical stability
The product is stable under regular conditions.
- 10.3. Possibility of hazardous reactions
No dangerous reactions to be expected if used properly.
- 10.4. Conditions to avoid
Materials to avoid: Oxidizing agents. Alkalis (alkalis), concentrated.
- 10.5. Incompatible materials
none known

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 7 of 9

10.6. Hazardous decomposition products

When used properly no hazardous products of decomposition are expected.

SECTION 11: Toxicological information

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

Acute toxicity

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

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
91722-33-7	Tar, wood					
	oral	LD50 >2000 mg/kg	Ratte	OECD 423		

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

The in vitro experiment (EPISKIN model) reveals, that the product is an irritant (Skin Irrit. 2).

Sensitising effects

May cause an allergic skin reaction. (Tar, wood)

Carcinogenic/mutagenic/toxic effects for reproduction

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.

11.2. Information on other hazards

Endocrine disrupting properties

No data available. Further

information

No data available.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
91722-33-7	Tar, wood					
	Acute fish toxicity	LC50 45 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203 / EU C.1	
	Acute algae toxicity	ErC50 17 mg/l	72 h	Desmodesmus dubspicatus	OECD 201 / EU C.3	
	Acute crustacea toxicity	EC50 28 mg/l	48 h	Daphnia magna STRAUS	OECD 201 / EU C.3	

12.2. Persistence and degradability

Not biodegradable.

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 8 of 9

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
91722-33-7	Tar, wood			
	OECD 301B / EU C.4-C	60%	10	
	Not biodegradable.			

12.3. Bioaccumulative potential

No data available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
91722-33-7	Tar, wood	03 - 2,022

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The product does not meet the PBT or vPvB criteria in Annex XIII of the REACH Regulation.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Content/container must be handed in at a certified special waste collection point.
Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.
According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: 14.2.
UN proper shipping name: 14.3.
Transport hazard class(es): 14.4.
Packing group:

No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: 14.2.
UN proper shipping name: 14.3.
Transport hazard class(es): 14.4.
Packing group:

No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: 14.2.
UN proper shipping name: 14.3.
Transport hazard class(es): 14.4.
Packing group:

No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.
No dangerous good in sense of this transport regulation.

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 9 of 9

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: 14.2.

UN proper shipping name: 14.3.

Transport hazard class(es): 14.4.

Packing group:

No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special precautions known.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation): not applicable

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes

Version 1,00 - 24.04.2015 - first draft

Version 1,01 - 03.06.2015 - changes in section 1, 3

Version 1,02 - 12.04.2016 - General update

Version 1,03 - 05.03.2019 - General update (changes in section 12)

Version 1,04 - 20.04.2020 - General update (changes in section 9)

Version 1,05 - 08.04.2022 - General update (changes in section 11,12)

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)

beech tar

Revision date: 25.01.2023

Product code: 000030

Page 10 of

BlmSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act
CAS: Chemical Abstracts Service
DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)
EC: Effective Concentration
EG: European Community (Europäische Gemeinschaft)
EN: European Norm
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
ISO: Norm of the International Standards Organization
CLP: Classification, Labeling, Packaging
IUCLID: International Uniform Chemical Information Database
LC: Lethal concentration
LD: Lethal dose
log Kow: Octanol/water partition coefficient
MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships
OECD: Organisation for Economic Co-operation and Development
PBT: Persistent, bio-cumulative, toxic
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
TRGS: Technische Regeln für Gefahrstoffe
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bio-cumulative
WGK: German Water Hazard Class
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
STOT: Specific Target Organ Toxicity
AwSV: Ordinance on Installations for Handling Substances Hazardous to Water

Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

asseso AG, Ottostraße 1, 63741, Aschaffenburg, Germany
Phone: +49 (0)6021 - 1 50 86-0, Fax: +49 (0)6021 - 1 50 86-77, E-Mail: eu-sds@asseso.eu, www.asseso.eu