



# Safety Data Sheet

## Bygningsasfalt

Issued: 10/06/2021  
Version: 1.0.0

### SECTION 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

**Trade name:** Bygningsasfalt**Unique Formula Identifier (UFI):** VVK2-60F2-900Y-YW6S**Article no**

Article no	Description
342	

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

**Recommended uses:** For waterproofing and maintenance of masonry.**SU:** Building and construction work (SU19).

#### 1.3. Details of the supplier of the safety data sheet

**Supplier**

**Company:** Phønix Tag Materialer A/S  
**Address:** Vester Allé 1  
**Zip code:** 6600  
**City:** Vejen  
**Country:** DENMARK  
**E-mail:** info@phonixtagmaterialer.dk  
**Phone:** +45 79 96 21 21  
**Fax:** +45 79 96 21 22  
**Homepage:** www.phonixtagmaterialer.dk

#### 1.4. Emergency Telephone Number

In case of a medical emergency following exposure to a chemical call NHS 111 - only available in certain areas of England (outside of these areas call NHS Direct on 0845 4647). The National Poisons Information Service emergency number is 0344 892 0111 (only available to health professionals). The emergency telephone is open 24 hours.  
Denmark: Call the Poison Control Hotline (Giftlinjen (Bispebjerg Hospital)), Tel. 82 12 12 12 in case of accident/poisoning emergency. The poison control hotline is open 24 hours a day.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**CLP-classification:** Flam. Liq. 3;H226 STOT SE 3;H336**Most serious harmful effects:** Flammable liquid and vapour. May cause drowsiness or dizziness. Prolonged or repeated inhalation of vapours may cause damage to the central nervous system. Repeated exposure may cause skin dryness or cracking.

#### 2.2. Label elements

**Pictograms**



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Warning

**Contains****Substance:**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics;

**H-phrases**

H226

Flammable liquid and vapour.

H336

May cause drowsiness or dizziness.

**P-phrases**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

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

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves.

P501

Dispose of contents/container in accordance with local regulations.

**Supplemental information**

EUH066

Repeated exposure may cause skin dryness or cracking.

**VOC:**

This product contains a maximum of 370 g VOC/L. The limit value is 430 g VOC/L (cat. A/c)

**2.3. Other hazards**

The product does not contain any PBT or vPvB substances.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Bitumen	8052-42-4	232-490-9	01-2119480172-44	55 - 65%		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	919-857-5	01-2119463258-33	35 - 45%	4	Flam. Liq. 3;H226 Asp. Tox. 1;H304 STOT SE 3;H336

Please see section 16 for the full text of H-phrases.

4 = H304 is not applicable due to the high viscosity of the product.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation:**

Fresh air and rest under surveillance. Seek medical advice if symptoms persist. If the person is unconscious, call an ambulance and apply artificial respiration. If breathing, place the person in recovery position and keep warm.

**Ingestion:**

Rinse mouth thoroughly and drink water. Do not induce vomiting. Seek medical advice.



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<b>Skin contact:</b>	Remove contaminated clothes. If necessary use a skin cleansing agent. Wash skin thoroughly with soap and water and apply skin cream. Seek medical advice in case of eczema or other skin discomforts.
<b>Eye contact:</b>	Rinse immediately with water for approx. 15 minutes. Open eyes wide. Remove any contact lenses. Seek medical advice if irritation persists.
<b>Burns:</b>	Rinse with water until the pain stops. Do not attempt to remove adhering bitumen. Remove clothes which do not adhere to the body – seek medical advice; if possible continue rinsing until a doctor takes over the treatment.

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

Inhalation of vapours may cause respiratory irritation, dizziness and drowsiness.  
Splashes in the eyes may cause irritation.  
Degreases the skin. Repeated exposure may cause skin dryness or cracking.

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

No special immediate treatment required.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Extinguish with powder, foam, carbon dioxide or water mist.

**Unsuitable extinguishing media:** Do not use water jet, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Hazardous fumes containing carbon monoxide and sulphur oxides may be formed under fire conditions.

### 5.3. Advice for fire-fighters

Coordinate with fire in surroundings. In case of larger fires, wear a full-face positive-pressure self-contained breathing apparatus and protective suit.  
If possible without risk, containers close to fire should be removed or cooled with water/water mist.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Provide adequate ventilation.  
Use personal protection.  
Be aware of the explosion hazard. Keep away from sources of ignition.

**For emergency responders:** Provide adequate ventilation.  
Use personal protection.  
Be aware of the explosion hazard. Keep away from sources of ignition.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in suitable containers for disposal according to local regulations.



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### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes.  
Do not breathe vapour.  
Smoking and naked flames prohibited.  
Work with the product is covered by the Danish Working Environment Authority's executive order on work with code-numbered products.  
See section 8 for information about precautions for use and personal protective equipment.  
Running water and eye wash equipment should be available.

### 7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of the reach of children and away from food, animal feeding stuff, medicine, etc.  
Store in tightly closed original container in a dry, cool and well-ventilated place. Follow The Danish Emergency Management Agency's technical regulations for flammable and combustible liquids. Fire hazard class II-1, unit of storage 5 liter.

### 7.3. Specific end use(s)

Specific end use – see section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Comments	Remarks
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	8h	197	1200		RCP	

**Occupational exposure limit:** RCP: Reciprocal calculation procedure.

**Measuring methods:** Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### DNEL - workers

Bitumen, cas-no 8052-42-4					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	2,9 mg/m <sup>3</sup>				
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note



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Dermal DNEL (long-term exposure - systemic effects)	208 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	871 mg/m <sup>3</sup>				

### DNEL - general population

Bitumen, cas-no 8052-42-4

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	0,6 mg/m <sup>3</sup>				

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics, cas-no -

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	125 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	185 mg/m <sup>3</sup>				
Oral DNEL (long-term exposure - systemic effects)	125 mg/kg bw/day				

### 8.2. Exposure controls

<b>Appropriate engineering controls:</b>	Provide adequate ventilation. Provide for effective ventilation if used indoor. Wash hands before breaks, eating, toilet visits and after work. Use mild soap and water and apply skin cream after washing. Water and means of cleaning should be brought along if work is not carried out near mobile site huts or permanent common rooms.
<b>Personal protective equipment, eye/face protection:</b>	Wear face shield where splashing is possible. Eye protection must conform to EN 166.
<b>Personal protective equipment, skin protection:</b>	Wear coveralls with a hood if there is a risk of splashing. Hood or helmet shall be used in connection with splashing work.
<b>Personal protective equipment, hand protection:</b>	Wear protective gloves of e.g. nitrile rubber possibly with a cotton glove underneath. Gloves must conform to EN 374.
<b>Personal protective equipment, respiratory protection:</b>	Use respiratory protective equipment with filter type A2. Respiratory equipment is not necessary when the product is used on small surfaces outdoor or if the vapours are blown away from your face by effective natural ventilation. Wear an air-fed half face mask when applying the product indoor on large surfaces. Respiratory protection must conform to one of the following standards: EN 136/140/145.
<b>Environmental exposure controls:</b>	No special requirements.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Black
Odour	Characteristic
Solubility	Insoluble in water



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Explosive properties	Non-explosive	
Oxidising properties	Non-oxidising	
Parameter	Value/unit	Remarks
pH (solution for use)		Not applicable
pH (concentrate)		Not applicable
Melting point	°C	No data available
Freezing point	°C	No data available
Initial boiling point and boiling range	°C	> 130 °C
Flash Point	°C	42 °C
Evaporation rate		No data available
Flammability (solid, gas)		No data available
Flammability limits		No data available
Explosion limits	vol%	0.6-7.0 vol % (solvent)
Vapour pressure	kPa	3 hPa (20 °C) (solvent)
Vapour density		No data available
Relative density	g/cm <sup>3</sup>	0,923 g/cm <sup>3</sup>
Partition coefficient n-octanol/water		No data available
Auto-ignition temperature	°C	No data available
Decomposition temperature	°C	No data available
Viscosity	cP	1460 cP (20 °C)
Odour threshold	ppm	No data available

### 9.2 Other information

Other Information: None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

Vapours may ignite at temperatures above flash point and may form explosive mixtures with air. Vapours from the product are heavier than air and may spread along floors.

### 10.4. Conditions to avoid

Avoid heat, flames and ignition sources.

### 10.5. Incompatible materials

Avoid contact with strong oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released at high temperatures.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral



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### Bitumen, cas-no 8052-42-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg bw			

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg			

May cause irritation. May cause discomfort.

The product does not have to be classified. Test data are not available.

### Acute toxicity - dermal

#### Bitumen, cas-no 8052-42-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg bw			

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000mg/kg			

The product does not have to be classified. Test data are not available.

### Acute toxicity - inhalation

#### Bitumen, cas-no 8052-42-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4 timer	> 94.4mg/m <sup>3</sup>			

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 5mg/l			

The product does not have to be classified. Test data are not available.

### Skin corrosion/irritation

#### Bitumen, cas-no 8052-42-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

Degreases the skin. Repeated exposure may cause skin dryness or cracking.

### Serious eye damage/eye irritation

#### Bitumen, cas-no 8052-42-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

Splashes in the eyes can cause irritation.

The product does not have to be classified. Test data are not available.

### Respiratory sensitisation or skin sensitisation:

The product does not have to be classified. Test data are not available.  
8052-42-4: Guinea pig: Not sensitising.

### Germ cell mutagenicity:

The product does not have to be classified. Test data are not available.

### Carcinogenic properties:

Prolonged and repeated skin contact with the product may possibly cause skin cancer. IARC (International Agency for Research on Cancer) evaluates that some animal tests of painting bitumen solution on skin have resulted in skin cancer. The product does not have to be classified. Test data are not available.

### Reproductive toxicity:

The product does not have to be classified. Test data are not available.



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**Single STOT exposure:** Inhalation of vapours can cause irritation of airways, drowsiness, dizziness, headache, intoxication and delayed response ability and, at high concentrations, possibly unconsciousness.

**Repeated STOT exposure:** Prolonged or repeated inhalation of vapours may cause damage to the central nervous system with symptoms such as drowsiness, headache, concentration and memory problems.  
The product does not have to be classified. Test data are not available.

**Aspiration hazard:** The product does not have to be classified.

**Other toxicological effects:** None known.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Bitumen, cas-no 8052-42-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			21dNOEC	≥ 1000mg/l			

##### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss	96 h	LL50	> 1000mg/l			
Crustacea	Daphnia magna	48 h	EL0	1000mg/l			
Algae	Pseudokirchneriella subcapitata		EL50	> 1000mg/l			
Algae	Pseudokirchneriella subcapitata		NOELR	100mg/l			

The product does not have to be classified. Based on the available data, the classification criteria are not considered to be fulfilled.

#### 12.2. Persistence and degradability

##### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		80%	Readily biodegradable.		

The organic solvent is readily biodegradable. Bitumen is very slowly degradable.

#### 12.3. Bioaccumulative potential

Test data are not available.

#### 12.4. Mobility in soil

The product has low mobility in soil.

#### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

#### 12.6. Other adverse effects

The product floats on water. May spread in the aquatic environment.





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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.  
Chemical waste group: H

**Category of waste:** 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances  
15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN-No.:</b>	1268	<b>14.4. Packing group:</b>	III
<b>14.2. UN proper shipping name:</b>	PETROLEUM PRODUCTS, N.O.S.	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	3		
<b>Hazard label(s):</b>	3		
<b>Hazard identification number:</b>	30	<b>Tunnel restriction code:</b>	D/E

#### Inland water ways transport (ADN)

<b>14.1. UN-No.:</b>	1268	<b>14.4. Packing group:</b>	III
<b>14.2. UN proper shipping name:</b>	PETROLEUM PRODUCTS, N.O.S.	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	3		
<b>Hazard label(s):</b>	3		
<b>Transport in tank vessels:</b>	Not applicable.		

#### Sea transport (IMDG)

<b>14.1. UN-No.:</b>	1268	<b>14.4. Packing group:</b>	III
<b>14.2. UN proper shipping name:</b>	PETROLEUM PRODUCTS, N.O.S.	<b>14.5. Environmental hazards:</b>	The product is not a Marine Pollutant (MP).
<b>14.3. Transport hazard class(es):</b>	3	<b>Environmental Hazardous Substance Name(s):</b>	Not applicable.
<b>Hazard label(s):</b>	3		
<b>EmS:</b>	F-E, S-E	<b>IMDG Code segregation group:</b>	- None -

#### Air transport (ICAO-TI / IATA-DGR)

<b>14.1. UN-No.:</b>	1268	<b>14.4. Packing group:</b>	III
<b>14.2. UN proper shipping name:</b>	PETROLEUM PRODUCTS, N.O.S.	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	3		
<b>Hazard label(s):</b>	3		

#### 14.6. Special precautions for user



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None.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

**Other Information:** The product is not subject to ADR for receptacles < 450 litres cf. 2.2.3.1.5 (viscous substances).  
The product is not subject to the provisions of IMDG for the marking, labelling and testing of packages for receptacles < 30 litres cf. 2.3.2.5 (viscous substances). The following statement shall be included in the transport document: "Transport in accordance with 2.3.2.5 of the IMDG Code."

## SECTION 15: Regulatory information

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

**Special Provisions:** The product is covered by the Danish Working Environment Authority's Executive Order on Working with Substances and Materials (chemical agents), No. 1793 of 18. December 2015, Annex 4 - Working with asphalt materials. Maximum application temperature: No heating. Spraying of the product is not permitted.  
Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.  
The employer must ensure that the workplace assessment includes an assessment of whether the employee is exposed to risks that could be hazardous to the pregnancy or to breastfeeding.  
Executive Order on Work with Code-numbered Products.

### 15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
01-2119480172-44	Bitumen

## SECTION 16: Other information

### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	10/06/2021	Susanne Brandt Hansen	

**Abbreviations:** PBT: Persistent, Bioaccumulative and Toxic.  
vPvB: very Persistent and very Bioaccumulative.  
CLP: CLP-Regulation (EC) No 1272/2008 (Classification, Labelling and Packaging).  
DNEL: Derived No Effect Level.  
LD50: Lethal Dose 50 %.  
LC50: Lethal Concentration 50 %.  
LL50: Lethal Loading 50 %.  
EL0: Effective Loading 0 %.  
EL50: Effective Loading 50 %.  
NOEC: No Observed Effect Concentration.  
NOELR: No Observable Effect Loading Rate.  
Asp. Tox.: Aspiration hazard.  
Flam. Liq.: Flammable liquid.  
STOT SE: Specific target organ toxicity — single exposure.

**Other Information:** PR-no.: 2169134.  
Code-number: 2-1 (1993).

The safety data sheet is prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.



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**Training advice:** The work may only be carried out by persons who have completed one of the courses "Roofing, safety when working with asphalt materials" or "Safety when working with cold-mix asphalt and bitumen". When working with the product, the persons in question must be registered and have completed the first available course. Until the training is completed, the user must have a special instruction at 4-week intervals. The instruction must be given by a person who has completed the training. The user must know the contents of this safety data sheet.

**Vendor notes:** This product must be stored, handled and used in accordance with good industrial hygiene and safety practice.

**Classification method:** Calculation based on the hazards of the known components.

### List of relevant H-statements

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.

### SDS is prepared by

Company: Joblife a/s  
Address: Ceres Allé 3  
Zip code: 8000  
City: Aarhus C  
Country: DENMARK  
E-mail: info@joblife.dk  
Phone: +45 8819 1800  
Homepage: www.joblife.dk/  
Contact person: Name: Susanne Brandt Hansen, E-mail: sbha@joblife.dk

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