

SAFETY DATA SHEET

VILLAS BITUMEN

Machen wir's dicht!



1 PRODUCT IDENTIFICATION

- **Product details:**
- **Trade Name:** VILLAS BITUMEN (according to annex on p. 4)
- **Material / preparation use:** Building products, hot applied / Road construction (asphalt)
- **Manufacturer/Supplier:**
Villas Austria GmbH
Industriestrasse 18
A-9586 Fürnitz
Tel: +43/ (0) 4257/2241-2243 Fax: +43/ (0) 4257/2241-2282
- **Information Department:** Laboratory, e-mail: a.wolte@villas.at
- **Emergency Number:** +43/ (0) 4257/2241/2243 (Monday - Friday: 7:30am – 4:30pm)

2 HAZARDS IDENTIFICATION

- **Hazard designation:**
-
- **Information pertaining to particular dangers for man and environment:**
-
- **Classification system:**
Classification is in line with current EC regulations. It is expanded, however, by information from technical literature and by information from raw material suppliers.

3 COMPOSITION / INFORMATION ON COMPONENTS

- **Chemical characterization**
- **Description:**
Hydrocarbons, oxidized bitumen
- **Dangerous component:**
not applicable
- **Additional information:**
not applicable

4 FIRST AID MEASURES

- **General Information:**
-
- **After inhalation:**
The product is normally processed at increased temperatures. The inhalation of vapours should be avoided.
Fresh air.
- **After skin contact:**
Handling hot bitumen can cause burns. After the skin comes into contact with hot bitumen, do not attempt to remove the bitumen from the skin. Immediately hold affected part of the body under cold running water for at least 10 minutes. For circular adhering bitumen that may cut off circulation, make incision. Small bitumen splashes may either be removed from the skin with olive oil or paraffin oil. Doctor must be contacted.
- **After eye contact:**
In case of hot bitumen entering eyes, cool eyes immediately under cold flowing water for about 5 minutes. Call doctor immediately. In case of cold bitumen coming into contact with eyes, rinse immediately with water for at least 10 to 15 minutes. In case of continued irritation, an eye specialist must be consulted.
- **After swallowing:**
Theoretically no hazard; extremely low toxicity

Notes to physician:

Treatment: Do not attempt to remove bitumen which has adhered to the skin. Once cooled, the product is no longer hazardous, but provides a sterile cover for the burned area. During the healing process, the bitumen normally comes away after a couple of days. If, due to the position or nature of the injury, the adhering bitumen must be removed, use warm paraffin oil - paraffinum liquidum.
Alternatively a mixture of paraffin oil and kerosene may be used. Use, however, with care as kerosene can cause skin irritation. After using solvents, wash with water and soap or wash gels which are kind to the skin. Next apply a suitable grease or skin cleaning cream. Use only medically approved solvents to remove bitumen from burned areas, as other agents may damage the skin.

5 FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:**
Medium expansion foam, extinguishing powder, CO₂, water spray
- **For safety reasons unsuitable extinguishing agents:**
Full Water jet: as the product is hot, the steam generated by contact with water could very easily expel the liquid product in an explosion-like fashion.
- **Protective equipment:**
Heavy-duty heat protection equipment

6 ACCIDENTAL RELEASE MEASURES:

- **Additional advice:**
Prevent from entering sewage system, water bodies and ground. Leave to cool, remove and arrange for disposal.

7 HANDLING AND STORAGE:

- **Advice on safe handling:**
Ensure good ventilation/extraction at work place and in storage room (when hot applied / stored). Keep container tightly sealed. Carry out electrical installations in accordance with the legal regulations. Store private clothing away from work clothes and work area. Eating, drinking and the storage of food in the work area is prohibited. Don't let water entering melting device. Prevent overheating.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Additional information about design of technical systems:**
The usual safety measures are to be take when handling hot bitumen; see clause 7.
- **Components with critical values that require monitoring at the workplace:**
The product does not contain components with limiting values which have to be monitored at the workplace.
- **Personal protective equipment:**
- **Respiratory protection:**

- **Hand protection:**
Protective gloves
- **Eye protection:**
Protective glasses
- **Body and skin protection:**
Working clothes

9 PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** solid to viscous; liquid if applied
- **Colour:** black
- **Smell:** none; liquid: typical bitumen smell
- **Change in condition**
- **Melting point / melting range:** see annex p. 4
- **Boiling point / boiling range:** not applicable
- **Flash point:** > 250 °C
- **Self-inflammability:** not applicable
- **Self ignition:** not applicable
- **Danger of explosion:** Vapour / air mixtures may blow up by a spark
- **Vapour pressure at 20°C:** not applicable
- **Density at 20°C:** approx. 1,0 g/cm³
- **Solubility / miscibility with water:** insoluble
- **Viscosity:**
 - **Kinematic:**

10 STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:**
Do not overheat when melting.
- **Dangerous reactions:** None
- **Dangerous products of decomposition:** None if used properly

11 TOXICOLOGICAL INFORMATION

According to our knowledge no danger for health may be deriving from the proper application and use.

12 ECOLOGICAL INFORMATION

- **General Information:**
Not hazardous for water. Water hazard class 0 (self-assessment)

13 DISPOSAL CONSIDERATIONS

- **Product:**
Recommendation:
Depose according to official regulations.
- **Waste disposal key number:**
54912 (Bitumen, Asphalt) acc. to ÖNORM S 2100
Disposal Information:
Chemical-physical utilization: -
Biological utilization: -
Thermal utilization: suitable
Disposal: -
- **European waste catalogue:** 05 01 17 (bitumen)
- **Uncleaned packagings:**
Recommendation:
-

14 TRANSPORT INFORMATION

- **ADR / RID / AND (if hot / liquid):**
- **Description of goods:** Heated liquid substance, n.o.s.
- **Class:** 9
- **Packaging group:** III
- **Code:** M9
- **Risk No.:** 99
- **Substance No.:** 3257

- **ADR / RID / AND (cold / solid):** None

15 REGULATORY INFORMATION

- **EG Regulations:**
None
- **Designation according to EC Regulations:**
Due to the classification of this product as per the chemical regulations it presently needs not be marked specifically.

16 OTHER INFORMATION

The information is based on our contemporary knowledge of the product and its properties. This material safety data sheet is not intended to give any guarantee or warranty of product properties and is not creating any legal liability. Any regulation or law, not covered by this data sheet, is to be observed under the responsibility of the recipient and user of our product.

- **Relevant R-Phrases:**
- **Department issuing safety data sheet:**
Laboratory
- **Contact person:**
Laboratory Tel.: +43/ (0) 4257/2241-2243

- **Annex:**

Art. No.	Product	Softening point R&B, °C EN 1427	Packaging
101340	Villox 150	app. 105	block
100900	Blockbitumen 120/25	app. 100	block
102120	Blockbitumen 100/25, 30 kg	app. 100	block
101345	Villox 90/10 (B-10)	app. 90	block
101356	Villox 85/25, 30 kg	app. 85	block
133264	Bitumen 85/25 Block	app. 85	block
101585 / 101584	Kabelvergußmasse A	app. 70	tin can
180041	Villabit 90/10	app. 90	tank truck
129699	Bitumen NV 90/10	app. 90	tank truck
101607 / 101611	Bitumen 95/25	app. 95	tank truck
101106	Bitumen 95/35	app. 95	tank truck
100248	Bitumen 85/25	app. 85	tank truck
130152	Villabit B-25	app. 85	tank truck
101612	Bitumen 85/40	app. 85	tank truck
101653	Bitumen NV B-35/50	app. 70	tank truck
129691	Bitumen B-35/50	app. 70	tank truck
100680	Bitumen 50/70	app. 55	tank truck
101691	Bitumen 50/70 H0,2	app. 50	tank truck
180015 / 180045	Bitumen 70/100	app. 45	tank truck
101900	Bitumen 70/100 H0,2	app. 45	tank truck
100170	Bitumen 100/150	app. 45	tank truck
101736	Bitumen 100/150 H0,2	app. 45	tank truck
180016	Bitumen 250/330	app. 40	tank truck
100491	Bitumen 160/220	app. 40	tank truck
100400	Bitumen 115/15	app. 115	tank truck