

# WIRO

bausysteme vertriebsgesellschaft m.b.h.  
Safety data sheet

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## 1. Identification of the substance/preparation and of the company/undertaking

### 1.1 Identification of the substance/preparation

Product name: **WIROBIT - Kautschukbitumen**  
Description: Adhesive based on bitumen

### 1.2 Use of the substance/preparation

Use: Adhesive

### 1.3 Identification of the company

Company: WIRO Bausysteme Vertriebs GmbH  
Seebrucker Str. 22, 83370 Roitham-Seeon  
Telephone +49 8667 / 8768-70  
Telephone +49 8667 / 8768-70

### 1.4 Emergency number

## 2. Composition / Information on ingredients

### Chemical characterisation

Mixture of bitumen and polymers

Ingredient	CAS-Number	EINECS-Number	Symbols	R-Phrases
Bitumen	8052-42-4	232-490-9		50 – 100 %

## 3. Hazard identification

This product is safe in normal use. Danger of burning through the hot fluent product. The contact of hot bitumen with water leads to heavy reactions (steam formation, splashing, boiling over).  
Environment: no special risks

## 4. First aid measures

Generally: Immediately remove clothes contaminated by hot fluent product.  
Inhalation: Remove from exposure.  
Skin contact: Cool hot fluent material that sticks to the skin with plenty of water, but do not remove it. Obtain medical attention urgently. Same medical treatment as with burnings  
Eye contact: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.  
Ingestion: Avoid vomiting. Obtain medical attention urgently.  
Notices for the physician: Symptomatic treatment

## 5. Fire fighting measures

Suitable extinguishing media : Carbon dioxide, powder or foam  
Unsuitable extinguishing media : Waterjets  
Special risks through the substance, the preparation or its eduts or arising gases: None  
Special protective equipment : No special measures required

## 6. Accidental release measures

Personal precautions: Use only in well-ventilated areas. Avoid eye and skin contact.  
Environmental precautions : Prevent entry of hot fluent product into drains, sewers and water courses.

Decontaminations procedures:

If not dangerous, remove lackage. Stem with dry sand or earth and let it get cold. Remove mechanically.

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Product name : WIROBIT - Kautschukbitumen

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## 7. Handling and storage

### 7.1 Handling:

Measures for safe handling: Keep containers closed. Keep out of sunlight. Use only in well-ventilated areas. Do not overheat above flash point. The valid precautions for dealings with hot fluent products must be taken.

Measures for fire and explosion protection: No smoking whilst using this product. Risk of explosion occurs when overheating above flash point, especially in closed containers.

### 7.2 Storage:

Store away from foodstuffs. Keep containers closed.

Hints for storing together with other materials: Do not store together with strong oxidizing agents.

Further information about storing: At longtime storage of fluid products it is possible that hydrogen sulphid accumulates in the steam room. As a result the formation of pyrophoric iron is possible, which may lead to self-ignition. Also other coke-like depositions may develop with the danger of self-ignition.

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## 8. Exposure controls and personal protection

Engineering control measures : Refer to 7

### 8.1 Occupational exposure limits :

Components with to be controlled limmits regarding the working-place: Additional remarks to the exposure limits TRGS 900 dated 01.08.2001 Bitumen, vapour and aerosols at the hot application: 10 mg/m<sup>3</sup> Bitumen is listed under III group 3 in the MAK-Value-List.

### 8.2 Restriction and control of exposure

#### Personal protective equipment:

Respiratory equipment : In case of sufficient ventilation not required.  
Hand protection : Use impervious protection gloves  
Eye protection : Goggles with side protection  
Body protection : Suitable long-sleeve protective clothes  
Protective and hygienic measures: Do not eat, drink or smoke while using this product.  
Restriction and control of environment exposure: No special measures

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## 9. Physical and chemical properties

### 9.1 General informatin

Physical state: solid  
Colour: black  
Odour: cold, none

### 9.2 Important information regarding health protection, environmental conservation and safety

pH-Value at °C: not applicable  
Boiling point / boiling range: not applicable  
Flash point: >200°C EN 22592 / EN 22719  
Autoflammability: Appears if overheated above flash point  
Ignition temperature: > 350°C DIN 51794  
Explosive properties: The product has no explosive properties, but it is possible to get dangerous vapour - air - mixtures when overheated above flash point.  
Vapour pressure at 20 °C: not applicable  
Density at 20 °C: ca. 1,0 g/cm<sup>3</sup>  
Water solubility: Insoluble  
Viscosity at °C: not determined

### 9.3 Additional information

Melting point / Melting range: 70 - 110°C EN 1427

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## 10. Stability and reactivity

- 10.1 Conditions to avoid:** Do not heat over flash-point
- 10.2 Materials to avoid:** Strong oxidizing agents.
- 10.3 Hazardous decomposition products:** Hydrogen sulfide, carbon monoxide, hydrocarbons at temperatures > 250°C
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## 11. Toxicological information

### Acute toxicity:

LD / LC50 – Values relevant for classification:

Component	Kind	Value	Species
Bitumen	oral >	5000 mg/kg	rat

### Health effects:

- On skin: Cold, no irritation
- On eye: Cold, no irritation
- Sensitization: no sensitizing effect known.
- Additional toxicological information: The product is, referring to the EC directive for hazard compositions, not labelled.
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## 12. Ecological Information

- 12.1 Ecological toxicity:**  
No data existing
- 12.2 Mobility :**  
Because of the material consistence no disperse distribution in the environment is possible. So regarding to our today's knowledge no negative ecological effects have to be expected.
- 12.3 Persistence and Decomposition**  
No data existing
- 12.4 Potential biologic accumulation**  
No data existing
- 12.5 Additional damaging effects**  
No data existing
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## 13. Disposal considerations

### Product:

The product can be recycled.  
Disposal must be in accordance with national and local legislation. Dispose of through an authorised waste contractor to a licensed site. (AVV : 17 03 02 )

### Uncleaned packaging:

Recommendation: Dispose in accordance with local and national legislation.

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#### 14. Transport information

**ADR und GGVSE ( international / national ):**

Class: 9  
Classification code: M9  
UN-Number: 3257  
Packing group: III  
Kemler-Code: 99  
Proper shipping name : Elevated temperature liquid, n.o.s., Bitumen  
Note: During transport in hot fluent conditions  $\geq 100^{\circ}\text{C}$

**IMDG / GGVSee:**

Class:  
Page:  
UN - Number:  
Packing group:  
EMS-Number:  
MFAg:

**ICAO-TI und IATA-DGR:**

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Class:  
UN/ID-Number:  
Packing group:

**Cold, no dangerous good with regard to transport conditions.**

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#### 15. Regulatory information

**Hazard label according to EC directive:**

According to present information the product is no dangerous composition with regard to EC directives.

Named ingredients:

R-phrases:

S-phrases:

Special label for compositions : none

**National directives:**

Technical instruction air ( TA Luft ): organic materials at  $m \geq 3 \text{ kg/h}$  : Concentration  $0,15 \text{ g/m}^3$   
Water-threatening class ( WHG ): not water pollutant in accordance to VwVwS, appendix 1

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#### 16. Other information

The information given in this safety data sheet corresponds to our present knowledge. No guarantee is given for flawlessness and completeness. The information given does not represent an assurance. The user must ensure himself that the information is right and complete for the respective use.

**Department issuing data sheet:**

**Contact:** Mr Hannemann

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