

# EC safety data sheet

Trade name: VANDEX FLEXBIT 1K

Product number: 218

Current version: 12.07.2012

Replaced version: –

Region: GB

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

### 1.1 Product identifier

Trade name

**VANDEX FLEXBIT 1K**

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

Relevant identified uses of the substance or mixture

Single-component bitumen based thick coating

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

Address

Vandex Isoliermittel-Gesellschaft m.b.H.  
Industriestrasse 19-23  
D-21493 Schwarzenbek  
Germany

Telephone no. +49 4151 89 15-0

Fax no. +49 4151 89 15 50

Information provided by / telephone

Telefon: +49 4151 89 15 0 (Labor, Vandex Isoliermittel GmbH, Germany)

Telefon: +41 32 626 36 36 (Technical Department, Vandex International AG, Switzerland)

Advice on Safety Data Sheet

info@vandex.de (att. Laboratory)

info@vandex.com (att. Technical Department)

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

### 2.2 Label elements

Supplemental label elements

–

### 2.3 Other hazards

Please observe the information given in this safety data sheet.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

Chemical characterization

Hydrous anionic bitumen emulsion

No	Substance name	Additional information
	CAS / EC / Index / REACH no	Classification 67/548/EEC
		Concentration
		%-b.w.
1	Bitumen	
	CAS: 8052-42-4	–
	EINECS/ELINCS: 232-490-9	> 50
	-	
	-	%-b.w.

Full Text for all R-phrases: pls. see section 16

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing.

#### After inhalation

Normally no special requirements. If adverse effects occur, remove from exposure. If symptoms persist, seek medical attention.

#### After skin contact

Wash immediately affected area with plenty of water and soap. Seek medical attention, if adverse effects occur.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

#### After ingestion

Do not induce vomiting. Wash out mouth thoroughly and give water to drink. Obtain medical attention.

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

No data available.

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

Give symptomatic treatment

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Powder, carbon dioxide, foam, water spray, sand, earth.

#### Unsuitable extinguishing media

Water jets

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

In cases of fire or heat, product may decompose to form smoke and toxic fumes, gases or vapours

### 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and suitable protective clothing.

Fire residues and contaminated quench water have to be depolluted in accordance with national and local legislation.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Danger of blockage by cured material. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Absorb spilled material with sorbent materials like sand, earth, sawdust or others and dispose as waste according to section 13.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Keep containers closed. Provide good ventilation of working area (local exhaust ventilation, if necessary).

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## General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes and skin.

## Advice on protection against fire and explosion

No special measures required.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep away from foodstuffs. Store in a dry, cool, well-ventilated place, away from direct sunlight and frost. Storage temperature: 5 to 35 °C.

### Requirements for storage rooms and vessels

Store product in closed containers.

### Advice on storage assembly

Do not store together with strong oxidizing agents.

## 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No parameters available for monitoring.

### 8.2 Exposure controls

#### Appropriate engineering controls

The product does not contain relevant quantities of components with to be controlled exposure limits. Any limits for bitumen refer to hot application of bitumen. Technical measures and the use of suitable working technique, given in section 7, should be favoured over the use of personal protective equipment.

#### Personal protective equipment

For professional use, the need for personal protective equipment should be based on a workplace risk assessment for the particular use.

#### Respiratory protection

No measures in case of sufficient ventilation. Wear respiratory protective equipment if exposure to mists or vapours is likely. Use filter type A2/P2.

#### Eye / face protection

Protective goggles with side protection.

#### Hand protection

Protective gloves e.g. nitrile rubber.

#### Body protection

Suitable long-sleeve protective clothes and safety shoes.

#### Other

Do not eat, drink or smoke while using this product. Keep away from foodstuffs. Wash hands after finishing work. Wear suitable protective clothing.

#### Environmental exposure controls

Refer to section 6 and 7. No further measures required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form/Colour
liquid
dark brown
Odour
characteristic

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<b>Odour threshold</b>	No data available
<b>pH value</b>	12
<b>Boiling point / boiling range</b>	≥ 100 °C
<b>Melting point / melting range</b>	approx. 0 °C
<b>Decomposition point / decomposition range</b>	No data available
<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	Not applicable
<b>Oxidising properties</b>	No data available
<b>Explosive properties</b>	The product is not explosive.
<b>Flammability (solid, gas)</b>	No data available
<b>Lower flammability or explosive limits</b>	No data available
<b>Upper flammability or explosive limits</b>	No data available
<b>Vapour pressure at 20 °C</b>	like water
<b>Vapour density</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Relative density</b>	No data available
<b>Density at 20 °C</b>	0.8 g/cm <sup>3</sup>
<b>Bulk density</b>	no data available
<b>Solubility in water</b>	Remarks   miscible
<b>Solubility(ies)</b>	Miscible with most of the solvents
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity</b>	No data available

## 9.2 Other information

<b>Other information</b>
VOC content: 0%

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

The product is stable.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No decomposition if used thoroughly. Avoid strong heat and frost.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

In some fire cases formation of carbon monoxide, carbon dioxide and other hazardous materials possible.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

The preparation has not been tested for toxicological effects. Based on the known effects of the ingredients, the product is classified for human health effects as indicated below in accordance to 1999/45/EC. Referring to the producers experience there are no additional hazards to be expected.

Acute oral toxicity					
Bitumen (asphalt)	No. CAS: 8052-42-4	EINECS: 232-490-9	LD <sub>50</sub> oral	>5000 mg/kg	rat
Acute dermal toxicity					
Bitumen (asphalt)	No. CAS: 8052-42-4	EINECS: 232-490-9	LD <sub>50</sub> dermal	>5000 mg/kg	rat
Acute inhalational toxicity					
Bitumen (asphalt)	No. CAS: 8052-42-4	EINECS: 232-490-9	LD <sub>50</sub> inhalative	>5000 mg/kg	rat
Skin corrosion/irritation					
Irritation possible					
Serious eye damage/irritation					
Irritation possible					
Respiratory or skin sensitisation					
Sensitising properties possible					
Germ cell mutagenicity					
No data available					
Reproduction toxicity					
No data available					
Carcinogenicity					
No data available					
STOT-single exposure					
No data available					
STOT-repeated exposure					
No data available					
Aspiration hazard					
No data available					
Symptoms related to the physical, chemical and toxicological characteristics					
No data available					
Delayed and immediate effects as well as chronic effects from short and long-term exposure					
No data available					

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## SECTION 12: Ecological information

### 12.1 Toxicity

Fish toxicity
No data available

Daphnia toxicity
No data available

Algae toxicity
No data available

Bacteria toxicity
No data available

### 12.2 Persistence and degradability

Biodegradability	
Remarks	Not biodegradable

### 12.3 Bioaccumulative potential

Not expected to bioaccumulate

### 12.4 Mobility in soil

Because of the consistency of the product a dispersion is possible.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

Other adverse effects
No data available

### 12.7 Other information

Other information
Do not discharge into the drains or waters.
Water hazard class 1 (self-categorization): slightly hazardous to water according to appendix 4 VwVwS

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Substance / mixture:**

The product is recyclable. Disposal must be in accordance with the national and local regulations.

**Waste code according to EC-regulation for waste (AVV):**

17 03 02 (Bitumenmixtures except of those referring to 17 03 01)

The listed waste code is just an recommendation according to the expected use the product. Please contact your local waste disposal companies for further information.

**Uncleaned packaging:**

Dispose in accordance with national and local legislation.

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## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

##### **Restriction of occupation**

Adhere to the national sanitary and occupational safety regulations when using this product.

##### **National regulations**

Water hazard class (WGK): 1 (slightly hazard to water) according to VwVwS, appendix 4

Directive 1999/13/EC (VOC-RL): 0% VOC

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### **Full text of the R-, H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

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#### **Department issuing safety data sheet**

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.