

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** DAKORIT BK-Flex
- **Article number:** 50183 B
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Solvent-based, elastoplastic sealant to the roof and joint sealing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Heinrich Hahne GmbH & Co. KG
Heinrich-Hahne-Weg 11
45711 Datteln Tel.: 02363/5663-0
- **Further information obtainable from:**
Abteilung: Produktsicherheit
Tel.: 02363 5663-0
EMail: info@hahne-bautenschutz.de
- **Emergency telephone number:**
Gif tinformationszentrum Nord (GIZ Nord) Universität Göttingen,
Tel.: 0551-19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
- **Information concerning particular hazards for human and environment:**

R 10 Flammable.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Warning

Trade name: DAKORIT BK-Flex





(Contd. of page 1)

- **Hazard-determining components of labelling:**
Distillates (petroleum), hydrotreated light
- **Hazard statements**
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P243 Take precautionary measures against static discharge.
P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Solvent-containing preparation based on bitumen.

- **Dangerous components:**

CAS: 64742-47-8	Distillates (petroleum), hydrotreated light	10-25%
EINECS: 265-149-8	 Xn R65	
	 Flam. Liq. 3, H226;  Aquatic Chronic 2, H411;  STOT SE 3, H336	

- **Additional information:**
For the wording of the listed risk phrases refer to section 16.
GHS CODE: BBP20

4 First aid measures

- **Description of first aid measures**
- **General information:** Get when symptoms or doubts, seek medical advice.
- **After inhalation:**
Fresh air, keep patient at rest. If breathing is irregular or stopped, give artificial respiration Consult a physician.
- **After skin contact:**
Remove contaminated clothing. Wash with soap and water or medical paraffin. Skin on brief.
- **After eye contact:** Immediately with plenty of water, paraffin oil DAB 8 instill, consult an ophthalmologist.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

(Contd. on page 3)

Trade name: DAKORIT BK-Flex

(Contd. of page 2)

- **Special hazards arising from the substance or mixture**
Due to the content of organic components (bitumen) from the burning dense black smoke. Inhaling the fumes can lead to serious health problems.
- **Advice for firefighters**
- **Protective equipment:** If necessary respiratory protection is required.
- **Additional information** Cool closed containers exposed to fire with water.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
The usual precautionary measures for handling chemicals should be observed.
Due to the organic solvents from sources of ignition and ventilate the room well. Do not inhale fumes.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
Cover with absorbent material, and, after curing, scrape and sweep up.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
The usual precautionary measures for handling chemicals should be observed. Contact with eyes and skin.
When using do not eat, drink or smoke. Container during breaks close. Personal protective orientation refer to point 8 Comply with the health and safety precautions should be observed.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Solvent vapors are heavier than air and may spread along floors.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep container tightly closed in a cool, well-ventilated place.
- **Information about storage in one common storage facility:**
Do not store near combustible materials. Keep away from highly acidic or alkaline materials as well as oxidizers.
- **Further information about storage conditions:** In the original container.
- **Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

Trade name: **DAKORIT BK-Flex**

(Contd. of page 3)

8 Exposure controls/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

8052-42-4 Asphalt (25-50%)	
WEL	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
64742-47-8 Distillates (petroleum), hydrotreated light (10-25%)	
TRGS 900 Kurzzeitwert	500 mg/m ³ , 100 ppm

- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- **Respiratory protection:**

Not required, if ventilation is sufficient. In poorly ventilated workplaces should respirator should be worn.

Filter mask combination filter A-P2.

- **Protection of hands:** Solvent resistant gloves only.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Solvent-resistant gloves made of neoprene rubber, nitrile rubber, Viton, PVA, butyl rubber, or equivalent.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Wear safety goggles when transferring and splashing hazard.

- **Body protection:**

Wear clothing made of natural fibers, otherwise there is the possibility of the electrostatic charge.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: pasty

Colour: Black

- **Odour:** Solvent-like

- **pH-value:** n.a.

- **Change in condition**

Melting point/Melting range: -15 °C

Boiling point/Boiling range: Undetermined.

- **Flash point:** 41 °C

- **Ignition temperature:** 210 °C

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** The product is not explosive, but the formation of explosive air / vapor mixtures are possible.

(Contd. on page 5)

Trade name: DAKORIT BK-Flex

(Contd. of page 4)

· Explosion limits:	
Lower:	0.3 Vol %
Upper:	6.5 Vol %
· Vapour pressure at 20 °C: 2 hPa (ASTM 323)	
· Density at 20 °C: 1.1 g/cm ³	
· Solubility in / Miscibility with water: Not miscible or difficult to mix.	
· Viscosity:	
Dynamic at 20 °C:	360000 mPas
· Solvent content:	
Organic solvents:	<25 %
· Other information No further relevant information available.	

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Keep away from strong acids and alkalis, halogens and strong oxidants.
- **Hazardous decomposition products:** no

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Dries skin.
- **on the eye:** can cause eye discomfort
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**
When handled and used properly, no adverse health effects are expected. Skin irritation with prolonged exposure possible. Prolonged inhalation may cause headache, dizziness and fatigue.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 6)

Printing date 19.09.2014

Revision: 19.09.2014

Trade name: DAKORIT BK-Flex

· **Other adverse effects** No further relevant information available.

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
17 03 02	bituminous mixtures other than those mentioned in 17 03 01

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| · UN-Number | - |
| · UN proper shipping name | - |
| · Transport hazard class(es) | - |
| · Packing group | - |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Remarks: | Not classified as dangerous for carriage in containers in accordance with a capacity of 450 höchstens Llitern. 2.2.3.1.5 ADR and gem of höchstens 30 liters. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
III	23

- **Other regulations, limitations and prohibitive regulations** TRGKS 404, Group 2
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 19.09.2014

Revision: 19.09.2014

Trade name: DAKORIT BK-Flex

(Contd. of page 6)

· **Relevant phrases**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

R65 Harmful: may cause lung damage if swallowed.

· **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)

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GB