

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

- **Product identifier**
- **Trade name:** DAKORIT VA 30B
- **Article number:** 51153 B
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Primer with bitumen base, solvent-containing e.g. for the following bitumen sheeting coatings
- **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:**
Giftinformationszentrum 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.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
N Dangerous for the environment
- **Information concerning particular hazards for human and environment:**
R 10 Flammable.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 67 Vapors may cause drowsiness and dizziness.
- **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 EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
GISCODE: BBP 30

(Contd. on page 2)

Trade name: DAKORIT VA 30B

(Contd. of page 1)

· **Code letter and hazard designation of product:**



N Dangerous for the environment

· **Risk phrases:**

- 10 Flammable.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapors may cause drowsiness and dizziness.

· **Safety phrases:**

- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 33 Take precautionary measures against static discharges.
- 36/37 Wear suitable protective clothing and gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.

· **Other hazards**





· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Preparation based on bitumen, solvent.

· **Dangerous components:**

CAS: 64742-47-8	Distillates (petroleum), hydrotreated light	50-100%
EINECS: 265-149-8	 Xn R65;  N R51/53 R10-66-67	
	 Flam. Liq. 3, H226;  Aquatic Chronic 2, H411	

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

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **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.

GB

(Contd. on page 3)

Trade name: DAKORIT VA 30B

(Contd. of page 2)

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.
- **Advice for firefighters**
- **Protective equipment:** Explosion and fire do not breathe fumes.
- **Additional information** Exposed containers with water spray jet.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Remove persons from danger area.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Sources of ignition.
- **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.
Do not allow to enter sewers/ surface or ground water.
- **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
- **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 interior ventilation, especially at floor level. (Fumes are heavier than air).
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in unopened original receptacles.
Keep away from heat and direct sunlight.
- **Information about storage in one common storage facility:**
Keep away from food, drink and animal feed hold.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** LGK (VCI-concept): 3A - Flammable Liquids.
- **Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

Trade name: DAKORIT VA 30B

(Contd. of page 3)

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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 (50-100%)

AGW	300 mg/m ³ (RCP-Methode)
-----	-------------------------------------

- **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:**
The room ventilation is not required, add in heavy or prolonged exposure use respiratory filter device.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **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 nitrile rubber or fluoro rubber (Viton).
- **Penetration time of glove material** 480 min (nitrile rubber), 480 min (Viton)
- **Eye protection:** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	liquid
Colour:	Black
Odour:	Solvent-like

· **Change in condition**

Melting point/Melting range: -15°C
Boiling point/Boiling range: 145-200°C

· **Flash point:** 41°C

· **Ignition temperature:** 210°C

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

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 0.3 Vol %

(Contd. on page 5)

Trade name: DAKORIT VA 30B

(Contd. of page 4)

Upper:	6.5 Vol %
· Vapour pressure at 20°C:	2 hPa
· Density at 20°C:	0.9 g/cm ³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Viscosity: Kinematic at 20°C:	75 s (ISO 2431/ 3 mm)
· Solvent content: Organic solvents:	ca. 50 %
· 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:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** removes fat on the skin.
- **on the eye:** Irritability
- **Sensitization:** No sensitizing effects known.

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.
- **Ecotoxicological effects:**
- **Remark:**
The product contains substances which cause severe clouding waters.
The product contains substances which are toxic to fish and bacteria.
- **Additional ecological information:**
- **General notes:**
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

(Contd. on page 6)

Printing date 23.05.2013

Revision: 23.05.2013

Trade name: DAKORIT VA 30B




(Contd. of page 5)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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**
- | | |
|----------|--|
| 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 | |
| · ADR, IMDG, IATA | UN1139 |
| · UN proper shipping name | |
| · ADR | 1139 COATING SOLUTION, mixture (not viscous), ENVIRONMENTALLY HAZARDOUS |
| · IMDG | COATING SOLUTION, mixture, MARINE POLLUTANT |
| · IATA | COATING SOLUTION, mixture |
| · Transport hazard class(es) | |
| · ADR, IMDG | |
| |   |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| | |
| · IATA | |
| |  |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · Packing group | |
| · ADR, IMDG, IATA | III |
| · Environmental hazards: | |
| · Marine pollutant: | Symbol (fish and tree) |
| · Special marking (ADR): | Symbol (fish and tree) |
| · Special precautions for user | Warning: Flammable liquids. |
| · Danger code (Kemler): | 30 |
| · EMS Number: | F-E, <u>S</u> -E |

(Contd. on page 7)

Printing date 23.05.2013

Revision: 23.05.2013

Trade name: DAKORIT VA 30B

(Contd. of page 6)

- | | |
|--|--|
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Tunnel restriction code | D/E |
| · UN "Model Regulation": | UN1139, COATING SOLUTION, mixture (not viscous), ENVIRONMENTALLY HAZARDOUS, 3, III |

15 Regulatory information

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

Class	Share in %
III	50
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Other regulations, limitations and prohibitive regulations** according to RL 2004/42 / EC: cat A / i, max. 460 g / l
- **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.

- **Relevant phrases**
 - H226 Flammable liquid and vapour.
 - H411 Toxic to aquatic life with long lasting effects.
 - R10 Flammable.
 - R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R65 Harmful: may cause lung damage if swallowed.
 - R66 Repeated exposure may cause skin dryness or cracking.
 - R67 Vapours may cause drowsiness and dizziness.
- **Abbreviations and acronyms:**
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - ICAO: International Civil Aviation Organization
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals