


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

- **1.1 Product identifier**
- **Trade name: DAKORIT RA 30B**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Regenerating paint on bitumen base, solvent-containing, filled roof coating for refurbishing bitumen roof surfaces.
- **1.3 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
- **1.4 Emergency telephone number:**  
Gif tinformationszentrum Nord (GIZ Nord) Universität Göttingen,  
Tel.: 0551-19240


### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
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GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.

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GHS07

STOT SE 3      H336 May cause drowsiness or dizziness.

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

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- **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.  
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.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
- **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/sparks/open flames/hot surfaces. - 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.
- **2.3 Other hazards**  
The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** solvent-based bitumen coating

- **Dangerous components:**

CAS: 64742-88-7	Solvent naphtha (petroleum), medium aliph.	10-25%
EINECS: 265-191-7	 Xn R65	
	 Flam. Liq. 3, H226;  Asp. Tox. 1, H304	

- **Additional information:**  
The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.  
The product contains no polycyclic aromatic hydrocarbons, no tar and no phenols.

### SECTION 4: First aid measures

- **4.1 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.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Carbon monoxide (CO)

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- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources.  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep only in original container.  
Prevent any seepage into the ground
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** Storage class: 3 - Flammable liquids (flash point below 55 °C)
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

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

**8052-42-4 Asphalt (25-50%)**

OES	Short-term value: 10 mg/m <sup>3</sup>
	Long-term value: 5 mg/m <sup>3</sup>

**64742-88-7 Solvent naphtha (petroleum), medium aliph. (10-25%)**

	AGW 300 mg/m <sup>3</sup> (RCP-Methode)
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· **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· **Protection of hands:**

Protective gloves and protective skin cream

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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 based protective gloves made of rubber or nitrile rubber.

· **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:** Safety glasses wear.

### SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

**Form:** Viscous

**Colour:** Black

· **Odour:** Solvent-like

· **Change in condition**

**Melting point/Melting range:** -15 °C

**Boiling point/Boiling range:** 153 °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 %

**Upper:** 6.5 Vol %

· **Vapour pressure at 20 °C:** 2 hPa

· **Density at 20 °C:** 1.1 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Viscosity:**

**Dynamic at 20 °C:** 6000 mPas

· **Solvent content:**

**Organic solvents:** < 25 %

· **9.2 Other information** No further relevant information available.

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

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

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
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.  
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.

- **European waste catalogue**

17 03 02	bituminous mixtures other than those mentioned in 17 03 01
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- **Uncleaned packaging:**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Disposal must be made according to official regulations.

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- **Recommended cleansing agents:**
- white spirit
- EPV-dilution

### SECTION 14: Transport information

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|---|-----------------|
| · <b>14.1 UN-Number</b>   | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>14.2 UN proper shipping name</b>   | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>14.3 Transport hazard class(es)</b>  | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>Class</b>  | Void            |
| · <b>14.4 Packing group</b>   | Void            |
| · <b>ADR, IMDG, IATA</b>  | Void            |
| · <b>14.5 Environmental hazards:</b>  | Not applicable. |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>   | -               |

### SECTION 15: Regulatory information

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

Class	Share in %
III	60.0
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Other regulations, limitations and prohibitive regulations**  
The product is subject to Directive 2004/42 / EC. EU limit value of this product is used in the finished state: Cat A / i max. 500 g / l (2010). The product contains the needed finished state: max. 230 g / l VOC.
- **GISCODE:** BBP20
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.
- H304 May be fatal if swallowed and enters airways.
- R65 Harmful: may cause lung damage if swallowed.

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

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**· 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)*

*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 Harmonised 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)*

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

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