

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

- **Product identifier**
- **Trade name:** HADALAN EBG 13E, Komp. A
- **Article number:** 50326A
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Epoxy resin dispersion, bonding agent and primer
- **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**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  - **Hazard description:** Xi Irritant
  - **Information concerning particular hazards for human and environment:**  
R 36/38 Irritating to eyes and skin.
  - **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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- **Label elements**

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**



Xi Irritant

- **Hazard-determining components of labelling:** Oxirane, reaction products with ammonia, N-benzyl derivat
- **Risk phrases:** 36/38 Irritating to eyes and skin.
- **Safety phrases:**  
23 Do not breathe vapour  
24/25 Avoid contact with skin and eyes.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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- 37/39 Wear suitable gloves and eye/face protection.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

1191251-49-6	Oxirane, reaction products with ammonia, N-benzyl derivate	>5%
	<ul style="list-style-type: none"> <li> Xi R36/38</li> <li> Skin Irrit. 2, H315; Eye Irrit. 2, H319</li> </ul>	

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

### 4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **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.

### 5 Firefighting measures

- **Extinguishing media** Use fire extinguishing methods suitable to surrounding conditions.
- **Suitable extinguishing agents:** Foam ( alcohol resistant), carbon dioxide, dry powder, water spray.
- **For safety reasons unsuitable extinguishing agents:** Water jet.
- **Special hazards arising from the substance or mixture** Nitrogen oxides (NOx)
- **Advice for firefighters**
- **Protective equipment:** Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Keep unprotected persons away.  
Wear protective gloves, goggles and suitable protective clothing.
- **Environmental precautions:** 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.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original container.
- **Information about storage in one common storage facility:** Do not store with acids.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry place. Protect from frost.
- **Specific end use(s)** No further relevant information available.

## 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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required if good ventilation.
- **Protection of hands:**  
Protective gloves  
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.  
Suitable protective gloves made from rubber, nitrile rubber, butyl 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:** Tightly sealed goggles
- **Body protection:** Protective clothing.

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### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form: Liquid
  - Colour: white
- **Odour:** weak, characteristic
- **pH-value at 20°C:** 10
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 100°C
- **Flash point:** Not applicable.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Fully miscible.
- **Viscosity:**
  - Dynamic at 20°C: 700 mPas
- **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** Strong exothermic reaction with acids.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Organic and inorganic acids, sodium hypochlorite, peroxides.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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**  
For disposal, local regulations are observed. Liquid component of a suitable incineration plant.  
Product can be disposed of together with household garbage after curing.

<b>European waste catalogue</b>	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- |   |   |
|---|---|
| <b>UN-Number</b>  | 2735  |
| <b>ADR, IMDG, IATA</b>  |   |
| <b>UN proper shipping name</b>  | 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (Oxirane, reaction products with ammonia, N-benzyl derivate) |
| <b>ADR</b>  |   |
| <b>IMDG, IATA</b>   | AMINES, LIQUID, CORROSIVE, N.O.S. (Oxirane, reaction products with ammonia, N-benzyl derivate)      |
| <b>Transport hazard class(es)</b>   |   |
| <b>ADR, IMDG, IATA</b>  |   |
|  |   |
| <b>Class</b>  | 8 Corrosive substances.   |
| <b>Label</b>  | 8   |
| <b>Packing group</b>  | III   |
| <b>ADR, IMDG, IATA</b>  |   |
| <b>Environmental hazards:</b>   |   |
| <b>Marine pollutant:</b>  | No  |
| <b>Special precautions for user</b>   | Warning: Corrosive substances.  |
| <b>Danger code (Kemler):</b>  | 80  |
| <b>EMS Number:</b>  | F-A,S-B   |

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· <b>Segregation groups</b>	Alkalis
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Tunnel restriction code</b>	E
· <b>UN "Model Regulation":</b>	UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (Oxirane, reaction products with ammonia, N-benzyl derivate), 8, III

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**  
For activities involving exposure to uncured epoxy resins and contact on the skin or respiratory are causing regular preventive medical examinations.  
This product is subject to the Directive 2004/42/EC.  
EU limit value of this product is in ready to use condition: 140 g / l (2010). The product contains: max. 5 g / l VOC.
- **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**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
R36/38 Irritating to eyes and skin.
- **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