

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Feb 2024

Print date: 7 May 2024

Version: 1

**hahne**

Eine Marke von **sievert**



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## hahne HADALAN EG145 13E component B

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

#### 1.1. Product identifier

Trade name/designation:

hahne HADALAN EG145 13E component B

UFI:

28HX-TDHK-16AW-Q32Q

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

Use of the substance/mixture:

Fast-hardening, 2-component. Epoxy resin for priming mineral substrates where there is a risk of moisture penetration on the back

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**Sievert Baustoffe SE & Co. KG**

Mühlenschweg 6

49090 Osnabrück

Germany

Telephone: +49 541 601-01

Telefax: +49 541 601-853

E-mail: info@sievert.de

Website: https://sievert.de

E-mail (competent person): info@sievert.de

#### 1.4. Emergency telephone number

Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen, 24h: +49 (0)551 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	
Skin corrosion/irritation ( <i>Skin Corr. 1B</i> )	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	
Reproductive toxicity ( <i>Repr. 2</i> )	H361d: Suspected of damaging the unborn child.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 2</i> )	H411: Toxic to aquatic life with long lasting effects.	

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### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS08**  
Health hazard



**GHS09**  
Environment



**GHS07**  
Exclamation mark



**GHS05**  
Corrosion

**Signal word:** Danger

**Hazard components for labelling:**

Phenol, styrenated; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-phenylenebis(methylamine); salicylic acid

#### Hazard statements for health hazards

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.

#### Hazard statements for environmental hazards

H411	Toxic to aquatic life with long lasting effects.
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#### Supplemental hazard information

EUH071	Corrosive to the respiratory tract.
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#### Precautionary statements Prevention

P260	Do not breathe mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing and eye protection/face protection.

#### Precautionary statements Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

### 2.3. Other hazards

No data available

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 61788-44-1 EC No.: 262-975-0 REACH No.: 01-2119980970-27	<b>Phenol, styrenated</b> Aquatic Chronic 2 (H411), Skin Irrit. 2 (H315), Skin Sens. 1A (H317)   Warning	≥ 30 - < 50 weight-%
CAS No.: 2855-13-2 EC No.: 220-666-8 Index No.: 612-067-00-9 REACH No.: 01-2119514687-32	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> Acute Tox. 4 (H302), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317)   Danger <b>Specific concentration limit (SCL)</b> Skin Sens. 1A; H317: C ≥ 0.001% <b>Acute Toxicity Estimate</b> ATE (oral): 1,030 mg/kg	≥ 30 - < 50 weight-%
CAS No.: 1477-55-0 EC No.: 216-032-5 REACH No.: 01-2119480150-50	<b>m-phenylenebis(methylamine)</b> Acute Tox. 4 (H302, H332), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1B (H317)   Danger	≥ 20 - < 25 weight-%
CAS No.: 69-72-7 EC No.: 200-712-3 Index No.: 607-732-00-5 REACH No.: 01-2119486984-17	<b>salicylic acid</b> Acute Tox. 4 (H302), Eye Dam. 1 (H318), Repr. 2 (H361d)    Danger	≥ 3 - < 5 weight-%

Full text of H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

##### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

##### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

##### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

##### Following ingestion:

Get medical advice/attention if you feel unwell. Do NOT induce vomiting. Get immediate medical advice/attention.

##### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Water spray jet, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Foam.

**Unsuitable extinguishing media:**

Full water jet

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

Combustible

**Hazardous combustion products:**

In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

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

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Remove persons to safety.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8). Avoid contact during pregnancy/while nursing.

**Fire prevent measures:**

Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

**Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place.

**Storage class (TRGS 510, Germany):** 8A - Combustible corrosive substances

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### 7.3. Specific end use(s)

#### Industrial sector specific solutions:

Epoxide resin products, sensitizing, totally solid

#### GISCODE:

RE30

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

No data available

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>Phenol, styrenated</b> CAS No.: 61788-44-1 EC No.: 262-975-0	4.11 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8	20.1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8	0.526 mg/kg	① DNEL worker ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8	0.06 mg/L	① PNEC aquatic, freshwater
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8	0.006 mg/L	① PNEC aquatic, marine water
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8	5.784 mg/kg	① PNEC sediment, freshwater
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8	0.578 mg/kg	① PNEC sediment, marine water

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses with side protection EN 166

##### Skin protection:

Tested protective gloves must be worn, EN ISO 374 Suitable material: Butyl caoutchouc (butyl rubber). In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

Respiratory protection necessary at: insufficient ventilation, aerosol or mist formation.

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### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid

Colour: yellow

Odour: Amines

#### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	> 7	
Melting point	No data available	
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	> 100 °C	
Evaporation rate	No data available	
Auto-ignition temperature	No data available	
Upper/lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Density	1 g/cm <sup>3</sup>	
Bulk density	not applicable	
Water solubility	No data available	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Combustible

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

Gases/vapours, toxic

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Phenol, styrenated</b> CAS No.: 61788-44-1 EC No.: 262-975-0
<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Ratte) OECD Prüfrichtlinie 423
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Ratte) OECD Prüfrichtlinie 402
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >4.9 mg/L 4 h (Ratte)
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8
<b>ATE (oral)<sup>1</sup>:</b> 1,030 mg/kg
<b>LD<sub>50</sub> oral:</b> 1,030 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> 1,840 mg/kg (Kaninchen)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >5.01 mg/L 4 h (Rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> ≥1.07 - ≤5.01 mg/L 4 h (rat)
<b>m-phenylenebis(methylamine)</b> CAS No.: 1477-55-0 EC No.: 216-032-5
<b>LD<sub>50</sub> oral:</b> 930 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> 3,100 mg/kg (Kaninchen)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 11 mg/L
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 1.5 mg/L
<b>salicylic acid</b> CAS No.: 69-72-7 EC No.: 200-712-3
<b>LD<sub>50</sub> oral:</b> 891 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Ratte)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >0.9 mg/L 1 h (Rat)

<sup>1</sup>: Acute Toxicity Estimate. Harmonised (legal) classification.

#### Acute oral toxicity:

Harmful if swallowed.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

#### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

May cause an allergic skin reaction.

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity:

Based on available data, the classification criteria are not met.

#### Reproductive toxicity:

Suspected of damaging the unborn child.

#### STOT-single exposure:

Corrosive to the respiratory tract.

#### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

#### Aspiration hazard:

Based on available data, the classification criteria are not met.

#### Additional information:

No data available

#### 11.2. Information on other hazards

No data available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>Phenol, styrenated</b> CAS No.: 61788-44-1 EC No.: 262-975-0
LC <sub>50</sub> : 14.8 mg/L 4 d (fish)
EC <sub>50</sub> : 4.6 mg/L 2 d (crustaceans)
EC <sub>50</sub> : 1 - 10 mg/L 2 d (crustaceans)
NOEC: 0.2 mg/L 21 d (crustaceans)
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8
LC <sub>50</sub> : 110 mg/L 4 d (fish, Leuciscus idus (Goldorfe))
LC <sub>50</sub> : 110 mg/L 4 d (fish, Leuciscus idus (golden orfe))
LC <sub>50</sub> : 110 mg/L 4 d (fish, Leucidus idus)
EC <sub>50</sub> : 23 mg/L 2 d (crustaceans, Daphnia magna (Großer Wasserfloh))
EC <sub>50</sub> : 23 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
EC <sub>50</sub> : 23 mg/L 2 d (crustaceans, Daphnia magna)
NOEC: 1.5 mg/L (Algae/water plant, Desmodesmus subspicatus)
ErC <sub>50</sub> : 50 mg/L 3 d (Algae/water plant)
NOEC: 1.5 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus, Desmodesmus subspicatus)
LOEC: 10 mg/L 21 d (crustaceans, Daphnia magna) OECD 202
<b>m-phenylenebis(methylamine)</b> CAS No.: 1477-55-0 EC No.: 216-032-5
LC <sub>50</sub> : >100 mg/L 4 d (fish, Oncorhynchus mykiss (Regenbogenforelle))
EC <sub>50</sub> : 15.2 mg/L 2 d (crustaceans, Daphnia magna (Großer Wasserfloh))
ErC <sub>50</sub> : 20.3 mg/L 3 d (Algae/water plant)
LC <sub>50</sub> : >100 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))
EC <sub>50</sub> : 15.2 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
LC <sub>50</sub> : 75 mg/L 4 d (fish, Leuciscus idus)
EC <sub>50</sub> : 15.2 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
NOEC: 4.7 mg/L 21 d (crustaceans, Daphnia magna)
NOEC: 3 mg/L 21 d (crustaceans, Daphnia magna (Big water flea))
ErC <sub>50</sub> : 32.1 mg/L 3 d (fish, Selenastrum capricornutum (Grünalge)) OECD- Prüfrichtlinie 201
<b>salicylic acid</b> CAS No.: 69-72-7 EC No.: 200-712-3
LC <sub>50</sub> : 1,370 mg/L 4 d (fish, Pimephales promelas (fettköpfige Elritze)) OECD Prüfrichtlinie 203
EC <sub>50</sub> : >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (Grünalge)) OECD- Prüfrichtlinie 201
EC <sub>50</sub> : 870 mg/L 2 d (crustaceans, Daphnia magna)
NOEC: 10 mg/L (crustaceans, Daphnia magna)

#### Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

<b>Phenol, styrenated</b> CAS No.: 61788-44-1 EC No.: 262-975-0
<b>Biodegradation:</b> Poorly biodegradable.
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8
<b>Biodegradation:</b> Yes, slowly
<b>m-phenylenebis(methylamine)</b> CAS No.: 1477-55-0 EC No.: 216-032-5
<b>Biodegradation:</b> Yes, slowly
<b>salicylic acid</b> CAS No.: 69-72-7 EC No.: 200-712-3
<b>Biodegradation:</b> Yes, rapidly



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### 12.3. Bioaccumulative potential

<b>Phenol, styrenated</b> CAS No.: 61788-44-1 EC No.: 262-975-0
Log K <sub>OW</sub> : 2.415
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8
Log K <sub>OW</sub> : 1.9
<b>m-phenylenebis(methylamine)</b> CAS No.: 1477-55-0 EC No.: 216-032-5
Log K <sub>OW</sub> : 0.18
<b>salicylic acid</b> CAS No.: 69-72-7 EC No.: 200-712-3
Log K <sub>OW</sub> : 2.25

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>Phenol, styrenated</b> CAS No.: 61788-44-1 EC No.: 262-975-0
Results of PBT and vPvB assessment: —
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> CAS No.: 2855-13-2 EC No.: 220-666-8
Results of PBT and vPvB assessment: —
<b>m-phenylenebis(methylamine)</b> CAS No.: 1477-55-0 EC No.: 216-032-5
Results of PBT and vPvB assessment: —
<b>salicylic acid</b> CAS No.: 69-72-7 EC No.: 200-712-3
Results of PBT and vPvB assessment: —

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

08 01 11 \* Waste paint and varnish containing organic solvents or other dangerous substances





\*: Evidence for disposal must be provided.

#### Waste treatment options

##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 3267	UN 3267	UN 3267	UN 3267
<b>14.2. UN proper shipping name</b>			
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
		MARINE POLLUTANT	No
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 274 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> C7 <b>Tunnel restriction code:</b> (E)	<b>Special Provisions:</b> 274 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Classification code:</b> C7	<b>Special Provisions:</b> 274 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>EmS-No.:</b> F-A, S-B	<b>Special Provisions:</b> A3 <b>Limited quantity (LQ):</b> Y840 <b>Excepted Quantities (EQ):</b> E2

### 14.7. Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Other regulations (EU):

Hazard categories:

- E2 Hazardous to the Aquatic Environment in Category Chronic 2

#### 15.1.2. National regulations

##### [DE] National regulations

##### Störfallverordnung (12. BImSchV)

###### for substances contained in the product:

Hazard categories:

- E2 Hazardous to the Aquatic Environment in Category Chronic 2

##### Water hazard class

###### WGK:

- 1 - slightly hazardous to water

### 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service

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## hahne HADALAN EG145 13E component B

CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
EN	European Standard
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	
Skin corrosion/irritation ( <i>Skin Corr. 1B</i> )	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	
Reproductive toxicity ( <i>Repr. 2</i> )	H361d: Suspected of damaging the unborn child.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 2</i> )	H411: Toxic to aquatic life with long lasting effects.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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### 16.6. Training advice

No data available

### 16.7. Additional information

No data available