

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

### 1.1. Product identifier

**Name of product** RIEGLER Repair stick steel / 57 g  
Code-Nr. 115.11 / ID-Nr. 114582

### 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

2-Component Epoxy Resins

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

**Manufacturer/distributor** RIEGLER & Co. KG  
Schützenstr. 27, D-72574 Bad Urach  
Phone : +49 (0) 7125/9497-0, Fax : +49 (0) 7125/9497-97  
E-Mail : zedok@riegler.de  
Internet : www.riegler.de

**Advice** Abteilung eDocumentation  
Phone : +49 (0) 7125/9497-0  
Fax : +49 (0) 7125/9497-97  
E-mail (competent person):  
zedok@riegler.de

### 1.4. Emergency telephone number

**Emergency advice** Giftnotrufzentrale Bonn  
Phone : +49(0)228-19 240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 3	H412

#### Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

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



GHS07

**Signal word**  
Warning

**Hazard Statements**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P102 Keep out of reach of children.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash hands thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332 + P313 If skin irritation occurs: Get medical advice/attention.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337 + P313 If eye irritation persists: Get medical advice/attention.  
 P362 Take off contaminated clothing.  
 P363 Wash contaminated clothing before reuse.  
 P501 Dispose of contents/container to hazardous or special waste collection point.

**Hazardous ingredients for labeling**

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)

**Special rules for supplemental label elements for certain mixtures**

Contains epoxy constituents. May produce an allergic reaction.

**2.3. Other hazards**

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition/ information on ingredients**

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Description**

2-component epoxy sticks

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
25068-38-6	500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	20 - 50	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411

**REACH**

CAS No	Name	REACH registration number
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	01-2119456619-26-xxxx

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

After eye contact, rinse opened eye for 15 minutes under running water. Transfer to hospital for specialist examination.

#### In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

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

#### Physician's information / possible symptoms

vomiting

Allergic symptoms

skin irritation

#### Physician's information / possible dangers

allergic reactions

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

No information available.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

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

In case of fire formation of dangerous gases possible.

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

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## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Ensure adequate ventilation.  
Remove persons to safety.  
Use personal protective clothing.

### **6.2. Environmental precautions**

Inform pollution control authorities if product gets into the sewerage systems or open waters.  
Do not discharge into the drains/surface waters/groundwater.

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

Send in suitable containers for recovery or disposal.  
Take up with absorbent material.

### **6.4. Reference to other sections**

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

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### **General protective measures**

Avoid contact with eyes and skin

#### **Hygiene measures**

At work do not eat, drink, smoke or take drugs.  
Wash hands before breaks and after work.

#### **Advice on protection against fire and explosion**

Pay attention to general rules of internal fire prevention.

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

#### **Requirements for storage rooms and vessels**

Keep in closed original container.

#### **Advice on storage compatibility**

Do not store together with acids.  
Do not store together with oxidizing agents.

#### **Further information on storage conditions**

Protect from direct solar radiation.  
Store container at cool and aired place.  
Store in a dry place.  
Protect from heat/overheating.

### **7.3. Specific end use(s)**

#### **Recommendation(s) for intended use**

See section 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
14807-96-6	Talc respirable dust	8 hours	1		EH40/2005

#### Additional advice

The statutory local and national regulations have to be observed.

### 8.2. Exposure controls

#### Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

#### Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min;60min.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

#### Eye protection

tightly fitting goggles

#### Other protection measures

protective clothing

#### Appropriate engineering controls

Sufficient ventilation and exhaustion.

## SECTION 9: Physical and chemical properties

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

#### Appearance

pasty

#### Colour

dark grey

#### Odour

hardly noticeable

#### Odour threshold

not determined

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not applicable				
<b>boiling point</b>	> 35 °C		ca. 101 kPa		
<b>melting point</b>	not applicable				
<b>Flash point</b>	> 100 °C				
<b>Vapourisation rate</b>	not applicable				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				

	Value	Temperature	at	Method	Remark
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	< 500 Pa	20 °C			
<b>Relative density</b>	2,25 g/cm <sup>3</sup>				
<b>Vapour density</b>	not applicable				
<b>Solubility in water</b>					insoluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not applicable				
<b>Viscosity kinematic</b>	not applicable				
<b>Oxidising properties</b> No information available.					
<b>Explosive properties</b> not applicable					
<b>9.2. Other information</b> No information available.					

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

Reactions with acids and strong oxidising agents.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

#### Substances to avoid

Amines

Acid

Oxidising agent, strong

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

Nitrous oxides (NOx)

Toxic gases/vapours

**Thermal decomposition**

Remark No decomposition if used as directed.

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	11400 mg/kg	rat		CAS: 25068-38-6
<b>LD50 acute dermal</b>	1200 mg/kg	rat		CAS: 25068-38-6
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	irritant			
<b>Skin sensitization</b>	sensitizing			

**Experiences made from practice**

Sensitization through skin contact possible.

Irritates eyes and skin.

**Additional information**

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

**SECTION 12: Ecological information**
**12.1. Toxicity**
**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	LC50 2 mg/l (96 h)	Oncorhynchus mykiss		CAS: 25068-38-6
<b>Daphnia</b>	EC50 1,8 mg/l (48 h)	Daphnia magna		CAS: 25068-38-6
<b>Algae</b>	EC50 220 mg/l (96 h)	Scenedesmus subspicatus		CAS: 25068-38-6

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				not degradable

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

**General regulation**

Because of insolubility in water details are impossible to determinate.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Untaminated packaging may be treated as household waste.

Packaging that cannot be cleaned should be disposed of like the product.

**General information**

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**Transport/further information**

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

**SECTION 15: Regulatory information**

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

**VOC standard**

VOC content 0 %

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### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

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|------|--|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H319 | Causes serious eye irritation.                   |
| H411 | Toxic to aquatic life with long lasting effects. |