



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

### 1.1. Product identifier

#### Name of product

WEICON Ceramic BL Resin  
Code-Nr. 104001

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

2-Component Epoxy Resin - Resin Component

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

#### Distributor

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster  
Postbox 48045, DE-8460 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244  
E-Mail : msds@weicon.de  
Internet : www.weicon.de

#### Advice

Produktsicherheit / Product-Safety-Department  
Phone ++49(0)251 / 9322 - 0  
E-mail (competent person):  
msds@weicon.de

### 1.4. Emergency telephone number

GIZ Bonn (German, English) Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

#### Manufacturer

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster

### 1.4. Emergency telephone number

#### Emergency advice

-  
Phone -  
GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)  
Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

## ! 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 |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

|                   |      |  |
|-------------------|------|--|
| Skin Irrit. 2     | H315 |  |
| Eye Dam. 1        | H318 |  |
| Skin Sens. 1      | H317 |  |
| Aquatic Chronic 2 | H411 |  |

#### Hazard Statements

H315 Causes skin irritation.

|      |  |
|------|--|
| H317 | May cause an allergic skin reaction.             |
| H318 | Causes serious eye damage.                       |
| H411 | Toxic to aquatic life with long lasting effects. |

## 2.2. Label elements

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



GHS05



GHS07



GHS09

### ! Signal word

Danger

### Hazard Statements

|      |  |
|------|--|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H318 | Causes serious eye damage.                       |
| H411 | Toxic 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. |
| P310               | Immediately call a POISON CENTER or doctor/physician.  |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.   |
| P333 + P313        | If skin irritation or rash occurs: Get medical advice/attention.   |
| P362               | Take off contaminated clothing.  |
| P363               | Wash contaminated clothing before reuse.   |
| P391               | Collect spillage.  |
| P501               | Dispose of contents/container to hazardous or special waste collection point.  |

### ! Hazardous ingredients for labeling

1,4-Bis(2,3-epoxypropoxy)butane, bisphenol f epoxy resin, 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.

### Additional information

### ! Remark

For industrial use only.

## 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**

Epoxy resin compound containing mineral fillers.

**! 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) | 13 - 30    | Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411   |
| 9003-36-5  | 500-006-8 | bisphenol f epoxy resin   | 7 - 13     | Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411  |
| 2425-79-8  | 219-371-7 | 1,4-Bis(2,3-epoxypropoxy)butane   | 3 - 7      | Acute Tox. 4, H302, H312 / Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412 / Acute Tox. 4, H332 |

**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     |
| 9003-36-5  | bisphenol f epoxy resin   | 01-2119454392-40          |
| 2425-79-8  | 1,4-Bis(2,3-epoxypropoxy)butane   | 01-2119494060-45          |

**! SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

**! In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

Seek medical treatment immediately.

**! In case of skin contact**

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

**! In case of eye contact**

In case of contact with eyes rinse thoroughly with water.

Call for a doctor immediately.

**! In case of ingestion**

Do not induce vomiting.

Refer to medical treatment.

If swallowed give water to drink.

**4.2. Most important symptoms and effects, both acute and delayed****! Physician's information / possible symptoms**

Unconsciousness

Stomache -ache

vomiting

Respiratory complaints

Allergic symptoms

Skin burns

skin irritation



---

**! Physician's information / possible dangers**

allergic reactions  
Causes serious eye damage.

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

**! Treatment (Advice to doctor)**

Keep under medical supervision for at least 48 hours.  
Symptoms may not occur until several hours.

---

**! SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**! Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

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

Metal oxides  
In case of fire formation of dangerous gases possible.  
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.  
Do not inhale explosion and/or combustion gases.

**! Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

---

**! SECTION 6: Accidental release measures**

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

**! For non-emergency personnel**

Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

**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.  
Do not discharge into the subsoil/soil.

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).  
After taking up the material dispose according to regulation.

**6.4. Reference to other sections**

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



---

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

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

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

Avoid formation of aerosols.

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

Open and handle container with care!

#### **General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

#### **! Hygiene measures**

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

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 with acids or alkalis.

Do not store together with animal feedstuffs.

Do not store together with food.

Do not store together with oxidizing agents.

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

Keep container tightly closed and store at cool and aired place.

Keep locked up.

Protect from heat and direct solar radiation.

Store at 5 to 40°C (=41 to 104°F).

Store in a dry place.

Recommended storage temperature: room temperature.

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

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

See section 1.2

---

## **! SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **! Additional advice**

The statutory local and national regulations have to be observed.

### **8.2. Exposure controls**

#### **! Respiratory protection**

If ventilation insufficient, wear respiratory protection.

Selection of the appropriate filter type depends on the quantity and chemicals handled at the workplace. Contact supplier of respiratory protective equipment or more information about filter properties.

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.

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.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min



**! 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

|                   |               |                   |
|-------------------|---------------|-------------------|
| <b>Appearance</b> | <b>Colour</b> | <b>Odour</b>      |
| pasty             | blue          | hardly noticeable |

**Odour threshold**  
not determined

### Important health, safety and environmental information

|   | Value                 | Temperature | at | Method    | Remark                       |
|---|-----------------------|-------------|----|-----------|------------------------------|
| <b>pH value</b>   | ca. 7                 | 20 °C       |    |           | 1:1 in water                 |
| <b>boiling point</b>  | > 200 °C              |             |    |           |                              |
| <b>melting point<br/>(decomposition)</b>                      | > 200 °C              |             |    |           |                              |
| <b>Flash point</b>  | 150 °C                |             |    | DIN 51758 | Pensky-Martens<br>Closed Cup |
| <b>Vapourisation rate</b>                                     | not determined        |             |    |           |                              |
| <b>Flammable (solid)</b>                                      | not determined        |             |    |           |                              |
| <b>Flammability (gas)</b>                                     | not determined        |             |    |           |                              |
| <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>  | < 0,01 Pa             | 20 °C       |    |           |                              |
| <b>Relative density</b>                                       | 1,9 g/cm <sup>3</sup> | 25 °C       |    |           |                              |
| <b>Vapour density</b>   | not determined        |             |    |           |                              |
| <b>Solubility in water</b>                                    |                       |             |    |           | more or less insoluble       |
| <b>Solubility/other</b>                                       | not determined        |             |    |           |                              |
| <b>Partition coefficient n-<br/>octanol/water (log P O/W)</b> | not determined        |             |    |           |                              |



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 07.01.2016

revision 03.12.2014 (GB) Version 8.1

**WEICON Ceramic BL Resin**

|                                  | Value                     | Temperature | at | Method | Remark |
|----------------------------------|---------------------------|-------------|----|--------|--------|
| <b>Decomposition temperature</b> | > 200 °C                  |             |    |        |        |
| <b>Viscosity dynamic</b>         | 55000 -<br>80000 mPa*s    | 25 °C       |    |        |        |
| <b>Viscosity kinematic</b>       | not determined            | 40 °C       |    |        |        |
| <b>Oxidising properties</b>      | No information available. |             |    |        |        |
| <b>Explosive properties</b>      | No information available. |             |    |        |        |
| <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 strong acids and alkalies.

Reactions with oxidising agents.

**10.4. Conditions to avoid**

Keep away from heat.

**10.5. Incompatible materials****! Substances to avoid**

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

**10.6. Hazardous decomposition products**

Gases/vapours, toxic

Carbon monoxide and carbon dioxide.

Metaloxides

**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> | > 2000 mg/kg     | rat     |        | CAS: 25068-38-6 |



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 07.01.2016

revision 03.12.2014 (GB) Version 8.1

**WEICON Ceramic BL Resin**

|                              | Value/Validation | Species    | Method   | Remark          |
|------------------------------|------------------|------------|----------|-----------------|
| <b>LD50 acute dermal</b>     | > 2000 mg/kg     | rat        |          | CAS: 25068-38-6 |
| <b>LC50 acute inhalation</b> | 1E-5 ppm (5 h)   | rat        |          | CAS: 25068-38-6 |
| <b>Skin irritation</b>       | irritant         | rabbit     | OECD 404 |                 |
| <b>Eye irritation</b>        | irritant         | rabbit eye | OECD 405 |                 |
| <b>Skin sensitization</b>    | sensitizing      | Guinea pig | OECD 429 |                 |

**Subacute Toxicity - Carcinogenicity**

|                              | Value  | Species | Method   | Validation  |
|------------------------------|--|---------|----------|---|
| <b>Chronic Toxicity</b>      | NOAEL 50 mg/kg (90 d)<br>Repeated Dose 90-Day Oral Toxicity Study in Rodents<br>OECD 408 |         |          | -   |
| <b>Mutagenicity</b>          |  |         |          | Information on genotoxicity in vitro available.                             |
| <b>Reproduction-Toxicity</b> | NOEL 540 mg/kg   | Rat     | OECD 416 |   |
| <b>Carcinogenicity</b>       |  |         |          | No indications of carcinogenic effects are available from long-term trials. |

**! Experiences made from practice**

May irritate the mucosae.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Sensitization through skin contact possible.

Risk of strong eye injuries.

Inhalation causes headache/nausea.

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 1,5 mg/l (96 h)  | Fish             | OECD 203 | CAS: 25068-38-6 |
| <b>Daphnia</b>  | EC50 1,7 mg/l (48 h)  | Daphnia sp.      | OECD 202 | CAS: 25068-38-6 |
| <b>Algae</b>    | EC50 9,4 mg/l (72 h)  | Green algae      | EPA CFR  | CAS: 25068-38-6 |
| <b>Bacteria</b> | IC50 > 100 mg/l (3 h) | activated sludge | OECD 209 | CAS: 2425-79-8  |

**12.2. Persistence and degradability**





## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 07.01.2016

revision 03.12.2014 (GB) Version 8.1

**WEICON Ceramic BL Resin**

|                                 | Elimination rate              | Method of analysis | Method     | Validation             |
|---------------------------------|-------------------------------|--------------------|------------|------------------------|
| <b>Biological degradability</b> | 5 % (28 d)<br>CAS: 25068-38-6 |                    | OECD 301 F | not readily degradable |

**Degradability** not readily degradable

**12.3. Bioaccumulative potential**

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.

**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**

Toxic to aquatic life with long lasting effects.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into the ground water or aquatic 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****Waste code No.**

07 02 08\*

**Name of waste**

other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**! Recommendations for the product**

Remove in accordance with local official regulations.

Dispose of as hazardous waste.

**! Recommendations for packaging**

Dispose of according to the local waste regulations.

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

**! SECTION 14: Transport information**

|   | ADR/RID  | IMDG  | IATA-DGR  |
|---|--|---|---|
| <b>14.1. UN number</b>                  | 3082   | 3082  | 3082  |
| <b>14.2. UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N. O.S. (Bisphenol-A-Epoxy HARZ Mischung) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN MIXTURE) | Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A EPOXY RESIN MIXTURE) |
| <b>14.3. Transport hazard class(es)</b> | 9  | 9   | 9   |
| <b>14.4. Packing group</b>              | III  | III   | III   |



# Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 07.01.2016

revision 03.12.2014 (GB) Version 8.1

## WEICON Ceramic BL Resin

|                                    | ADR/RID | IMDG | IATA-DGR |
|------------------------------------|---------|------|----------|
| <b>14.5. Environmental hazards</b> | Yes     | Yes  | Yes      |

### 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

### Land and inland navigation transport ADR/RID

Hazard label(s) 9

tunnel restriction code E

Special provisions 274 335 601

Classification code M6

### Marine transport IMDG

MARINE POLLUTANT

## ! SECTION 15: Regulatory information

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

#### VOC standard

VOC content 0 %

### 15.2. Chemical Safety Assessment

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

## ! SECTION 16: Other information

### ! Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

For industrial use only.

### 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.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.0

|       |  |
|-------|--|
| H302, | -?-  |
| H318  | Causes skin irritation.                            |
| H317  | May cause an allergic skin reaction.               |
| H318  | Causes serious eye damage.                         |
| H319  | Causes serious eye irritation.                     |
| H332  | Harmful if inhaled.                                |
| H411  | Toxic to aquatic life with long lasting effects.   |
| H412  | Harmful to aquatic life with long lasting effects. |