



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

### Product identifier

**Name of product** Plastic-Metal Ceramic BL Slow Hardener (GB)  
Code-Nr. 104003

### Manufacturer/distributor

WEICON GmbH & Co. KG  
Königsberger Straße 255, DE-48157 Münster  
Postbox 84 60, DE-48045 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244  
E-Mail : info@weicon.de  
Internet : www.weicon.de

### Advice

Abteilung Angebote, Verkauf, Export  
Phone ++49(0)251 / 9322 - 0

### Emergency advice

Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning)  
Phone ++49(0)228-19 240

### Recommended intended purpose(s)

2-Component Epoxy Resin - Hardener Component

## 2. Hazards identification

### Classification according to 67/548/EEC or 1999/45/EC

Xn; R20/21/22

C; R34

R43

R52/53

### R-phrases

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

43 May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Labelling according to 67/548/EEC or 1999/45/EC

#### Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

**C** Corrosive

### R-phrases

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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### S-phrases

2 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water and soap.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.



45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Hazardous ingredients for labeling**

3-Aminomethyl-3,5,5-trimethylcyclohexylamin (ISOPHORONEDIAMINE ), benzyl-alcohol, trimethylhexane-1,6-diamine

**3. Composition/information on ingredients**

**Description**

Aliphatic and cyclo-aliphatic polyamine.

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
100-51-6	202-859-9	benzyl-alcohol	35 - 47	Xn R20/22
2855-13-2	220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	30 - 42	Xn R21/22; C R34; R43; R52-53
25620-58-0	247-134-8	trimethylhexane-1,6-diamine	> 1 - 7	Xn, R 22 C, R 34 sens. R 43, N, R 52/53

**4. First aid measures**

**General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

Seek medical treatment immediately.

**In case of skin contact**

Do not use solvents or thinners.

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

**In case of eye contact**

In case of contact with eyes rinse thoroughly with water.

Call for a doctor immediately.

**In case of ingestion**

Give activated charcoal.

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

**Treatment (Advice to doctor)**

In the event of pulmonary irritation treat initially with dexamethasone metered-dose aerosol.

**5. Firefighting measures**

**Suitable extinguishing media**

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

**Extinguishing media which must not be used for safety reasons**

Full water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

Nitrogen oxides (NOx)

Carbon monoxide (CO)

Carbon dioxide (CO2)



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**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

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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**6. Accidental release measures**

**Personal precautions**

Use personal protective clothing.

Keep away sources of ignition.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

**Methods for cleaning up**

Take up with absorbent material.

After taking up the material dispose according to regulation.

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**7. Handling and storage**

**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!

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking

Take precautionary measures against static discharges.

**Requirements for storage rooms and vessels**

Keep in closed original container.

**Advice on storage compatibility**

Do not store together with animal feedstuffs.

Do not store together with food.

**Further information on storage conditions**

Protect from heat and direct solar radiation.

Recommended storage temperature: room temperature.

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**8. Exposure controls/personal protection**

**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

**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

protective shield

**Skin protection**

Light protective clothing.

Safety shoes.



**General protective measures**

Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.

**9. Physical and chemical properties**

<b>Form</b> liquid	<b>Colour</b> light yellow	<b>Odour</b> hardly noticeable
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**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	ca. 11	20			1:1 in water
<b>boiling point</b>	> 200 °C				
<b>melting point</b>	> 200 °C				
<b>Flash point</b>	108 °C			DIN 51758	
<b>Vapour pressure</b>	ca. 6 Pa	20 °C			
<b>Density</b>	1 g/cm <sup>3</sup>	25 °C			
<b>Solubility in water</b>					partially soluble
<b>Viscosity dynamic</b>	30-70 mPa*s	25 °C			

**10. Stability and reactivity**

**Materials to avoid**

Reactions with strong acids and alkalies.  
Reactions with strong oxidising agents.

**Hazardous decomposition products**

Carbon monoxide and carbon dioxide.  
Nitrous oxides (NO<sub>x</sub>)

**11. Toxicological information**

**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	1990 mg/kg	rat		
<b>Irritability skin</b>	corrosive	rabbit		
<b>Irritability eye</b>	corrosive	rabbit eye		
<b>Skin sensitization</b>	sensitizing	Guinea pig		



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## 12. Ecological information

### General regulation

Do not allow uncontrolled leakage of product into the environment.  
Product is not allowed to be discharged into aquatic environment.

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## 13. Disposal considerations

### Recommendations for the product

Remove in accordance with local official regulations.  
Product rests: send for disposal, e.g. special waste incineration.

### Recommendations for packaging

Empty containers can be deposited after cleaning in accordance with the local waste regulations.

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## 14. Transport information

### Land and inland navigation transport ADR/RID

UN 2289 ISOPHORONEDIAMINE, 8, III, (E), Classification code: C7

### Marine transport IMDG

UN 2289 ISOPHORONEDIAMINE, 8, III

### Air transport ICAO/IATA-DGR

UN 2289 Isophoronediamine, 8, III

### Transport/further information

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

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## 15. Regulatory information

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## 16. Other information

### Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

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.

### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 20/22 Harmful by inhalation and if swallowed.

R 21/22 Harmful in contact with skin and if swallowed.

R 22 Harmful if swallowed.

R 34 Causes burns.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.