



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

### Product identifier

**Name of product** Plastic-Metal Ceramic W Hardener (GB)  
Code-Nr. 104602

### 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

C; R35

R43

N; R51/53

#### R-phrases

35 Causes severe burns.  
43 May cause sensitisation by skin contact.  
51/53 Toxic 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  
**N** Dangerous for the environment

#### R-phrases

35 Causes severe burns.  
43 May cause sensitisation by skin contact.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 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.  
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).  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**Hazardous ingredients for labeling**

4,4'-methylenebis(cyclohexylamine), pentacthylenehexamine

**3. Composition/information on ingredients****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
4067-16-7	223-775-9	pentacthylenehexamine	1 - 10	C R34; R43; N R50-53
1761-71-3	217-168-8	4,4'-methylenebis(cyclohexylamine)	10 - 24	Xn R22; C R35; R37; R43; N R51/53

**4. First aid measures****General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

In case of inhalation of mist seek medical advice.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off 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 plenty of water and seek medical advice.

**In case of ingestion**

Do not induce vomiting.

Refer to medical treatment.

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

**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.

In the event of fire the following can be released:

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

Carbon monoxide (CO)

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

**Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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



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## 6. Accidental release measures

### Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

### 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

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

Open and handle container with care!

### Requirements for storage rooms and vessels

Keep in closed original container.

### Further information on storage conditions

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

Recommended storage temperature: room temperature.

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## 8. Exposure controls/personal protection

### Additional advice on system design

Sufficient ventilation and exhaustion.

### Respiratory protection

If ventilation insufficient, wear respiratory protection.

Multi-purpose filter ABEK

### 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

### Skin protection

Light protective clothing.

### 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.



## 9. Physical and chemical properties

<b>Form</b> pasty	<b>Colour</b> grey	<b>Odour</b> characteristic
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### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>Flash point</b>	> 100 °C				
<b>Density</b>	1,55 g/cm <sup>3</sup>	20 °C			
<b>Solubility in water</b>					insoluble

## 10. Stability and reactivity

### Materials to avoid

Reactions with strong acids and alkalis.

Reactions with strong oxidising agents.

### Hazardous decomposition products

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

Corrosive gases/vapours

Toxic pyrolysis products

## 11. Toxicological information

### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>Irritability skin</b>	strong corrosive	rabbit		
<b>Irritability eye</b>	strong corrosive	rabbit eye		
<b>Skin sensitization</b>	sensitizing	Guinea pig		

### Experiences made from practice

Corrosive effect on skin and mucous membrane.

### Additional information

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

## 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.

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act 8 KrW-/AbfG) stipulates recycling as a requirement.

This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.

### 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 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Methylenbis(cyclohexylamin) Mischung), 8, III, (E), Classification code: C7

### Marine transport IMDG

UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Methylenbis(cyclohexylamin) Mischung), 8, III, MARINE POLLUTANT

### Air transport ICAO/IATA-DGR

UN 2735 Polyamines, liquid, corrosive, n.o.s. (4,4'-Methylenbis(cyclohexylamin) Mischung), 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 22 Harmful if swallowed.

R 34 Causes burns.

R 35 Causes severe burns.

R 37 Irritating to respiratory system.

R 43 May cause sensitisation by skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.