



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

### 1.1. Product identifier

**Name of product** Plastic-Metal B Hardener (GB)  
Code-Nr. 100502

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

2-Component Epoxy Resin - Hardener Component

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

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

### 1.4. Emergency telephone number

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

C; R34  
R43  
R52/53  
Repr. Cat. 3; R62

#### R-phrases

62 Possible risk of impaired fertility.  
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.

### 2.2. Label elements

#### Labelling according to 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

62 Possible risk of impaired fertility.  
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.

#### S-phrases

2 Keep out of the reach of children.  
24 Avoid contact with skin.



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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### Plastic-Metal B Hardener (GB)

- 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).

#### Hazardous ingredients for labeling

2-piperazin-1-ylethylamine, 3,6,9-triazaundecamethylenediamine, 4,4'-isopropylidenediphenol

#### 2.3. Other hazards

#### Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## SECTION 3: Composition/ information on ingredients

#### 3.1. Substances

not applicable

#### 3.2. Mixtures

##### Description

Polyamino amide.

##### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
80-05-7	201-245-8	4,4'-isopropylidenediphenol	4 - 10	Repr.Cat.3 R62; Xi R37-41; R43; R52
140-31-8	205-411-0	2-piperazin-1-ylethylamine	1 - 7	Xn R21/22; C R34; R43; R52-53
112-57-2	203-986-2	tetraethylenepentamine	5 - 10	Xn R21/22; C R34; R43; N R51-53

  

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
80-05-7	201-245-8	4,4'-isopropylidenediphenol	4 - 10	Repr. 2, H361f / STOT SE 3, H335 / Eye Dam. 1, H318 / Skin Sens. 1, H317
140-31-8	205-411-0	2-piperazin-1-ylethylamine	1 - 7	Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412
112-57-2	203-986-2	tetraethylenepentamine	5 - 10	Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411

## 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

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 plenty of water and seek medical advice.

##### In case of ingestion

Do not induce vomiting.

If swallowed give water to drink.



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

No information available.

**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**

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**

Fire gas of organic material has to be classed invariably as respiratory poison.  
Nitrogen oxides (NOx)  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.  
Use breathing apparatus with independent air supply ( isolated ).

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**SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.

**6.2. Environmental precautions**

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**

No information available.

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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.  
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.

**Advice on protection against fire and explosion**

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



## 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 animal feedstuffs.

Do not store together with food.

### Further information on storage conditions

Recommended storage temperature: room temperature.

## 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
80-05-7	Bisphenol A (inhalable dust)	8 hours	10		

### 8.2. Exposure controls

#### 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.

## SECTION 9: Physical and chemical properties

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

Form	Colour	Odour
liquid	blue	hardly noticeable

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	11	20 °C			1:1 in water
<b>boiling point</b>	> 200 °C				
<b>Flash point</b>	147 °C			DIN 51758	Pensky-Martens Closed Cup
<b>Vapour pressure</b>	10 Pa	20 °C			
<b>Relative density</b>	0,98 g/cm <sup>3</sup>	25 °C			
<b>Solubility in water</b>					insoluble



	Value	Temperature	at	Method	Remark
<b>Viscosity dynamic</b>	450-900 mPa*s	25 °C			

**9.2. Other information**  
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**  
No information available.

**10.4. Conditions to avoid**  
No information available.

**10.5. Incompatible materials**  
**Materials to avoid**  
Reactions with strong acids.  
Reactions with strong oxidising agents.

**10.6. Hazardous decomposition products**  
Carbon monoxide and carbon dioxide.  
Nitrous oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	4100 mg/kg	rat		
<b>Irritability skin</b>	irritant	rabbit		
<b>Irritability eye</b>	irritant	rabbit eye		
<b>Skin sensitization</b>	sensitizing	Guinea pig		

**Experiences made from practice**  
Sensitization through skin contact possible.

**Additional information**  
The product is to be handled with the caution usual with chemicals.  
Other hazardous properties may not be excluded.  
Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

## SECTION 12: Ecological information

**12.1. Toxicity**  
No information available.

**12.2. Persistence and degradability**  
No information available.

**12.3. Bioaccumulative potential**  
No information available.



No information available.

#### 12.4. Mobility in soil

No information available.

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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

#### 12.6. Other adverse effects

##### General regulation

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

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Waste code No.

07 02 04\*

##### Name of waste

other organic solvents, washing liquids and mother liquors

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

##### 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.

## SECTION 14: Transport information

##### Land and inland navigation transport ADR/RID

UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (TETRAETHYLENE PENTAMINE AMINOETHYLPIPERAZINE), 8, III, (E),  
Classification code: C7

##### Marine transport IMDG

UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. ((TETRAETHYLENE PENTAMINE) (AMINOETHYLPIPERAZINE)), 8, III

##### Air transport ICAO/IATA-DGR

UN 2735 Amines, liquid, corrosive, n.o.s. ((TETRAETHYLENE PENTAMINE) (AMINOETHYLPIPERAZINE)), 8, III

##### Special precautions for user

No information available.

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

not applicable

## SECTION 15: Regulatory information

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

##### VOC standard

##### Remark

Daten separat anfragen / Request data separately.

#### 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.

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

R 34 Causes burns.

R 37 Irritating to respiratory system.

R 41 Risk of serious damage to eyes.

R 43 May cause sensitisation by skin contact.

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

R 52 Harmful to aquatic organisms.

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

R 62 Possible risk of impaired fertility.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H361f Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.