



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

1.1. Product identifier

Name of product Plastic-Metal BR Hardener (GB)
Code-Nr. 104202

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

N; R51/53

R-phrases

34

Causes burns.

43

May cause sensitisation by skin contact.

51/53

Toxic 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
N Dangerous for the environment

R-phrases

34

Causes 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.

23

Do not breathe vapour.

26

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



Safety Data Sheet according to Regulation (EC)

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Plastic-Metal BR Hardener (GB)

36/37/39
45

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

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

Hazardous ingredients for labeling

3,6,9,12-tetra-azatetradecamethylenediamine, FATTY ACIDS, C18-UNSATD., DIMERS, REACTION PRODUCTS WITH POLYETHYLENEPOLYAMINES

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

Hardener for a 2-component epoxy adhesive (formulated polyaminoamide containing 3-aminopropyl dimethylamine).

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
4067-16-7	223-775-9	3,6,9,12-tetra-azatetradecamethylenediamine	1 - 10	C R34; R43; N R50-53
68410-23-1	POLYMER	Polyaminoamid; FATTY ACIDS, C18-UNSATD., DIMERS, REACTION PRODUCTS WITH POLYETHYLENEPOLYAMINES	10 - 30	Xi R43

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
4067-16-7	223-775-9	3,6,9,12-tetra-azatetradecamethylenediamine	1 - 10	Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
68410-23-1	POLYMER	Polyaminoamid; FATTY ACIDS, C18-UNSATD., DIMERS, REACTION PRODUCTS WITH POLYETHYLENEPOLYAMINES	10 - 30	Skin Sens. 1, H317

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose it safely.

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 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.

Seek medical advice immediately.

In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

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



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.

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)

5.3. Advice for firefighters

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

Cool endangered containers with water spray jet.
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

Ensure adequate ventilation.
Use personal protective clothing.
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.
After taking up the material dispose according to regulation.

6.4. Reference to other sections

No information available.

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 and smoke.
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.

Further information on storage conditions

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

Protect from direct solar radiation.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No information available.

8.2. Exposure controls**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

protective clothing

Additional advice on system design

Sufficient ventilation and exhaustion.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form**

pasty

Colour

light grey

Odour

characteristic

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
Flash point	> 100 °C				
Relative density	not determined	20 °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

Keep away from heat.

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_x)

Toxic gases/vapours

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	corrosive	rabbit		
Irritability eye	corrosive	rabbit eye		
Skin sensitization	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.

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

Ecological dates are not available.

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

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.

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

Land and inland navigation transport ADR/RID

UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9,12-Tetraazatetradecan-1,14-diamin, Polyaminoamide Mischung), 8, III, (E), ENVIRONMENTALLY HAZARDOUS, Classification code: C7

Marine transport IMDG

UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9,12-tetra-azatetradecamethylenediamine, Polyaminoamide mixture), 8, III
MARINE POLLUTANT: Yes

Air transport ICAO/IATA-DGR

UN 2735 Amines, liquid, corrosive, n.o.s. (3,6,9,12-tetra-azatetradecamethylenediamine, Polyaminoamide mixture), 8, III
ENVIRONMENTALLY HAZARDOUS: Yes

Transport/further information

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

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 34 Causes burns.

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.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.