



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

Product identifier

Name of product Plastic-Metal WR Hardener (GB)
Code-Nr. 103002

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
Repr. Cat. 3; R62

R-phrases

62 Possible risk of impaired fertility.
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

62 Possible risk of impaired fertility.
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.

S-phrases

2 Keep out of the reach of children.



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 11.02.2011

Revision 10.02.2011 (GB) Version 6.0

Plastic-Metal WR Hardener (GB)

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

4,4'-isopropylidenediphenol, benzyl-alcohol

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
80-05-7	201-245-8	4,4'-isopropylidenediphenol	1 - 7	Repr.Cat.3 R62; Xi R37-41; R43; R52
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

4. First aid measures

General information

If threatening unconsciousness, position and transport in recovery position

In case of breathing difficulties give oxygen.

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

Do not induce vomiting.

If swallowed give water to drink.

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)

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.

6. Accidental release measures**Personal precautions**

Ensure adequate ventilation.

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.

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

Recommended storage temperature: room temperature.

8. Exposure controls/personal protection**Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

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

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.

Hygiene measures

At work do not eat, drink and smoke.
Remove soaked clothing immediately.

9. Physical and chemical properties

Form

liquid

Colour

light yellow

Odour

hardly noticeable

Important health, safety and environmental information

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

10. Stability and reactivity

Materials to avoid

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

Hazardous decomposition products

Carbon monoxide and carbon dioxide.
Nitrous oxides (NO_x)
Toxic gases/vapours



11. Toxicological information

Acute toxicity/Irritability/Sensitization

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

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.

13. Disposal considerations

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.

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)

15. Regulatory information

VOC standard

VOC content

41,62 %



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 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 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.