



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

Product identifier

Name of product

Plastic-Metal C Hardener (GB)
Code-Nr. 101002

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; R21/22
C; R34
R43
R52/53

R-phrases

21/22 Harmful 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

21/22 Harmful in contact with skin and if swallowed.
34 Causes burns.
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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).
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazardous ingredients for labeling

1-methylimidazole, 3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-xylylendiamin

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
616-47-7	210-484-7	1-methylimidazole	1 - 5	Xn R21/22; C R34
2855-13-2	220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	25-33	Xn R21/22; C R34; R43; R52-53
1477-55-0	216-032-5	m-xylylendiamin	15 - 23	Xn, R20/22; C R34; R 43; R52/53

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 respiratory standstill give artificial respiration by respirator and send for a doctor.

In case of skin contact

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

Give activated charcoal.

Do not induce vomiting.

Call for a doctor immediately.

Give plenty of water to drink in small sips.

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

Dense, black smoke.

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

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Carbon dioxide (CO₂)



Special protective equipment for fire-fighters

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

Additional information

Burns down under strong soot production.
Collect contaminated firefighting water separately, must not be discharged into the drains.

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

Storage temperature between 2°C to 40°C
Recommended storage temperature: room temperature.

Information on storage stability

In enclosed original container and at storage temperature of 25°C maximum product keeps stabile for at least 12 months.

8. Exposure controls/personal protection

Respiratory protection

If ventilation insufficient, wear respiratory protection.
Short term: filter apparatus, Filter A/P2

Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min;60min.



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.

Eye protection

tightly fitting goggles
protective shield

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.

9. Physical and chemical properties**Form**

liquid

Colour

light yellow

Odour

hardly noticeable

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	> 200 °C				
Flash point	106 °C			DIN 51758	Pensky-Martens Closed Cup
Vapour pressure	< 2 hPa	20 °C			
Density	1,01 g/cm ³	25 °C			
Solubility in water		20 °C			immiscible
Viscosity dynamic	800 - 16000 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)
risk of formation of toxic pyrolysis products

11. Toxicological information**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
LD50 acute oral	ca. 1500 mg/kg	rat		



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

Additional information

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

12. Ecological information

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	The product is slightly degradable.			

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.	Name of waste
07 02 04*	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 0 %

16. Other information

Recommendend 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 43 May cause sensitisation by skin contact.

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