



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

1.1. Product identifier

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

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

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.

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

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.

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.



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| | |
|----------|---|
| 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

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

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 |

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|-----------|-----------|--|------------|--|
| 616-47-7 | 210-484-7 | 1-methylimidazole | 1 - 5 | Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 |
| 2855-13-2 | 220-666-8 | 3-aminomethyl-3,5,5-trimethylcyclohexylamine | 25-33 | Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412 |
| 1477-55-0 | 216-032-5 | m-xylylendiamin | 15 - 23 | Acute Tox. 2, H332 / Acute Tox. 2, H302 / Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Aquatic Chronic 4, H412 |

REACH

| CAS No | Name | REACH registration number |
|-----------|--|---------------------------|
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamine | 01-2119514687-32-xxxx |

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.

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.

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

Dense, black smoke.
Fire gas of organic material has to be classed invariably as respiratory poison.
Nitrogen oxides (NOx)
Carbon monoxide (CO)
Carbon dioxide (CO₂)

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).

Additional information

Burns down under strong soot production.
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.
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.
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

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!

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

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 stable for at least 12 months.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic 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 | | | |



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| | Value | Temperature | at | Method | Remark |
|----------------------------|------------------------|-------------|----|--------|------------|
| Relative density | 1,01 g/cm ³ | 25 °C | | | |
| Solubility in water | | 20 °C | | | immiscible |
| Viscosity dynamic | 800 - 16000 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 and alkalis.

Reactions with strong oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous oxides (NO_x)

risk of formation of toxic pyrolysis products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

| | Value/Validation | Species | Method | Remark |
|---------------------------|------------------|------------|--------|--------|
| LD50 acute oral | ca. 1500 mg/kg | rat | | |
| Irritability skin | corrosive | rabbit | | |
| Irritability eye | corrosive | rabbit eye | | |
| Skin sensitization | sensitizing | Guinea pig | | |

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

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

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

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 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)

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 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.

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.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.