

Weicon GmbH

Revision date: 01.11.2009

Revision no.:

1,00

Plastic-Metal BR Hardener

7619-0035

1. Product and Company Identification**Commercial product name**

Plastic-Metal BR Hardener

Further trade names

10420-1

Chemical characterization (Mixture)

Hardener for a 2-component epoxy adhesive

Company/undertaking identification**Manufacturer**

Weicon GmbH

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2. Hazards Identification**Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

DANGER!

Harmful in contact with skin and if swallowed.

Causes burns.

May cause sensitization by skin contact.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

3. Composition/Information on Ingredients**Hazardous components**

CAS No.	Components	Quantity
68410-23-1	CP Dimerfetts. C18 mit Polyethylenpolyamin	10 - 30 %
4067-16-7	3,6,9,12-tetra-azatetradecamethylenediamine, pentactylenehexamine	1 - 10 %

4. First Aid Measures**General information**

Remove contaminated soaked clothing immediately.

In case of irritation consult a physician.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After contact with skin

Take off immediately all contaminated clothing.

In case of contact with skin wash off with soap and water.

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In case of irritation consult a physician.

After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.
If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.
Refer for medical treatment.
If swallowed by mistake drink plenty of water and seek medical treatment.

5. Fire Fighting Measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:
Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Protective equipment and precautions for firefighters

A self contained breathing apparatus should be worn in fire conditions.
Protective suit

Additional information

Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures

Personal precautions

In case of vapour formation use respirator.
Ensure adequate ventilation.
Use personal protective clothing.

Environmental precautions

Clean contaminated surface thoroughly.
Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material.
Shovel into suitable container for disposal.
Clean contaminated surface thoroughly.

7. Handling and Storage

Handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Use only in thoroughly ventilated areas.
Avoid contact with skin, eyes and clothing.
Avoid formation of aerosols.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

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 Protect from direct solar radiation.
Advice on storage compatibility

Incompatible with:

Acids and bases.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

8. Exposure Controls/Personal Protection**Exposure limit values****Additional advice on limit values**

Contains epoxy compounds. Observe the instructions of the manufacturer

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale gases/vapours/aerosols.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Pls. find examples in the GISBAU protective gloves database under:

<http://www.wingisonline.de/handschuhe/frmMain.aspx>**Eye protection**

Eye wash bottle with pure water.

Tightly fitting goggles

Skin protection

Protective clothing

9. Physical and Chemical Properties**Appearance**

Form:	Pasty
Color:	Light grey
Odor:	Characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point:	> 100 °C
Lower explosion limits:	n.d.
Density (at 20 °C):	n.d.
Water solubility: (at 20 °C)	n.d.

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Other information

Ignition temperature:

n.d.

10. Stability and Reactivity**Stability**

Stable

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Materials to avoid

Reactions with strong acids.

Reactions with strong oxidizing agents.

Hazardous decomposition productsCarbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

Toxic gases/vapours

Possibility of Hazardous Reactions

Will not occur

Additional information

No decomposition if stored and applied as directed.

11. Toxicological Information**Corrosive and irritant effects**

Skin irritation (rabbit): Corrosive

Eye irritation (rabbit): Corrosive

Sensitizing effects

Sensitization through skin contact possible.

Sensitization skin (guinea pig): Sensitizing

Empirical data on effects on humans

The product causes burns of eyes, skin and mucous membranes.

Harmful in contact with skin.

Sensitization through skin contact possible.

Ingestion causes burns of the upper digestive and respiratory tracts.

Components of the product may be absorbed into the body through the skin.

Contact with eyes may cause corneal injury.

12. Ecological Information**Ecotoxicity**

Ecological data are not available.

Further information

Do not discharge product unmonitored into the environment.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations**Advice on disposal**

Remove in accordance with local official regulations.

Where possible recycling is preferred to disposal.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport Information

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US DOT 49 CFR 172.101**Proper shipping name**

Amines, liquid, corrosive, n.o.s. (3,6,9,12-tetra-azatetradecamethylenediamine , Polyaminoamide mixture)

ID Number: 2735

Hazard Class or Division: 8

Packing group: III

Label: 8

Land transport (ADR/RID)

UN number: 2735

ADR/RID class: 8

Classification Code: C7

Warning plate

Hazard-no.: 80

Hazard label: 8



ADR/RID packing group: III

Limited quantity: LQ 7

Description of the goods

Amines, liquid, corrosive, n.o.s. (3,6,9,12-tetra-azatetradecamethylenediamine , Polyaminoamide mixture)

Other applicable information

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Tunnel restriction code: E

Transport category: 3

Marine transport

UN number: 2735

IMDG code: 8

Marine pollutant: No

Hazard label: 8



IMDG packing group: III

EmS: F-A; S-B

Limited quantity: 5 L / 30 kg

Description of the goods

Amines, liquid, corrosive, n.o.s. (3,6,9,12-tetra-azatetradecamethylenediamine , Polyaminoamide mixture)

Other applicable information

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Air transport

UN/ID number: 2735

ICAO/IATA-DGR: 8

Hazard label: 8

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ICAO packing group:	III
Limited quantity Passenger:	Y818 / 1 L
IATA-packing instructions - Passenger:	818
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	820
IATA-max. quantity - Cargo:	60 L

Description of the goods

Amines, liquid, corrosive, n.o.s. (3,6,9,12-tetra-azatetradecamethylenediamine , Polyaminoamide mixture)

15. Regulatory Information**U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

Additional information

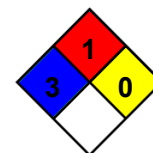
GISCODE according to industry-specific regulation acid-proof construction of May 11th, 2006

16. Other Information**Hazardous Materials Information Label (HMIS)**

Health:	*3
Flammability:	1
Physical Hazard:	0

NFPA Hazard Ratings

Health:	3
Flammability:	1
Reactivity:	0
Unique Hazard:	

**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)