

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

**1. Identification of the substance/preparation and of the company/undertaking****Identification of the substance or preparation**

Plastic-Metal Ceramic BL Hardener

**Further trade names**

104002

**Use of the substance/preparation**

2-component epoxy adhesive - Hardener Component

**Company/undertaking identification****Manufacturer**

Weicon GmbH

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D-48157 Münster

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Internet: www.weicon.de

Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Supplier**

WEICON Inc.

20 Steckle Place, Unit 20

Kitchener, Ontario N2E 2C3

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Emergency telephone number: 0 11 49 178 433 74 34 (CONSULTANK Lutz Harder GmbH)

**2. Hazards identification****Classification**

Indications of danger : Corrosive

R-phrases:

Possible risk of impaired fertility.

Harmful in contact with skin and if swallowed.

Irritating to respiratory system.

Risk of serious damage to eyes.

May cause sensitization by skin contact.

Causes burns.

Harmful by ingestion and in contact with skin.

May cause sensitization by skin contact.

**3. Composition/information on ingredients****Chemical characterization ( Mixture )**

Modified aliphatic polyamine.

**Hazardous components**

CAS-No.	Chemical name	Quantity
111-40-0	2,2'-iminodiethylamine, diethylenetriamine	30 - 42 %
80-05-7	bisphenol A; 4,4'-isopropylidenediphenol	20 - 28 %

**4. First aid measures**

**General information**

Remove contaminated soaked clothing immediately.

**After inhalation**

Move to fresh air.

If symptoms develop, seek medical attention.

**After contact with skin**

Take off immediately all contaminated clothing.

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

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**

Never give anything by mouth to an unconscious person.

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting without medical advice.

If swallowed give water to drink.

**Advice to doctor**

In the event of pulmonary irritation treat initially with dexamethasone metered-dose aerosol.

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**5. Fire-fighting measures**

**Suitable extinguishing media**

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water mist

**Extinguishing media which must not be used for safety reasons**

Full water jet

**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Fire may produce:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

**Special protective equipment for fire-fighters**

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

**Additional information**

Cool containers at risk with water spray jet.

Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.

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**6. Accidental release measures**

**Personal precautions**

Use personal protective clothing.

In case of vapour formation use respirator.

Ensure adequate ventilation.

**Environmental precautions**

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/groundwater.

**Methods for cleaning up/taking up**

Take up with absorbent material.

Shovel into suitable container for disposal.

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**Additional information**

Keep away sources of ignition.

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**7. Handling and storage**

**Handling**

**Advice on safe handling**

Keep in closed original container.

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing. Avoid formation of aerosols.

When using, do not eat, drink or smoke.

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

Keep away from sources of ignition - No smoking.

**Further information on handling**

Open and handle container with care.

**Storage**

**Requirements for storage rooms and vessels**

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

Recommended storage temperature: room temperature.

**Further information on storage conditions**

Do not store together with animal feedstuffs.

Do not store together with food.

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**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.

**Eye protection**

Tightly fitting goggles

Protective shield

**Skin protection**

Light protective clothing

Safety Shoes

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## 9. Physical and chemical properties

### General information

Physical state: Liquid  
 Colour: Yellow  
 Odour: Similar to amine

### Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	approx. 11 1:1 in water
<b>Changes in the physical state</b>	
Boiling point:	>200 °C
Flash point:	110 °C DIN 51758
Vapour pressure: (at 20 °C)	1 hPa
Density (at 20 °C):	1,05 - 1,08 g/cm <sup>3</sup>
Water solubility:	Miscible
Viscosity / dynamic: (at 25 °C)	3400 - 5000 mPa·s

## 10. Stability and reactivity

### **Conditions to avoid**

Keep away from heat.

### **Materials to avoid**

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.

### **Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

Nitrous gases

### **Additional information**

No decomposition if stored and applied as directed.

## 11. Toxicological information

### **Acute toxicity**

LD50/oral/rat: = 2600 mg/kg

### **Corrosive and irritant effects**

Skin irritation (rabbit): Corrosive

Eye irritation (rabbit): Corrosive

### **Sensitising effects**

Sensitization through skin contact possible.

Sensitization skin (guinea pig): Sensitizing

## 12. Ecological information

### **Further information**

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

## 13. Disposal considerations

### **Advice on disposal**

Remove in accordance with local official regulations.

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Empty containers may be recycled. Otherwise dispose of in accordance with applicable regulations.

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**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

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.

**14. Transport information****Canadian TDG****Proper shipping name**

DIETHYLENETRIAMINE (SOLUTION)

UN/ID number: UN2079

Hazard classes: 8

Packing group: II

Hazard label: 8

**Land transport (ADR/RID)**

UN number: 2079

ADR/RID class: 8

Classification Code: C7

Warning plate

Hazard-no.: 80

Hazard label: 8



ADR/RID packing group: II

Limited quantity: LQ22

**Description of the goods**

DIETHYLENETRIAMINE (SOLUTION)

**Marine transport**

UN number: 2079

IMDG code: 8

Marine pollutant: No

Hazard label: 8



IMDG packing group: II

**Description of the goods**

DIETHYLENETRIAMINE

**Other applicable information (marine transport)**

Limited quantities (chapter 3.4): combination packaging: 1 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass)

**Air transport**

UN/ID number: 2079

ICAO/IATA-DGR: 8

Hazard label: 8



ICAO packing group: II

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IATA-packing instructions - Passenger:	808
IATA-max. quantity - Passenger:	1 L
IATA-packing instructions - Cargo:	812
IATA-max. quantity - Cargo:	30 L

**Description of the goods**DIETHYLENETRIAMINE

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**15. Regulatory information****Canadian regulations****DSL/NDSL inventory status**

All of the components are listed on the DSL Inventory.

**WHMIS classification**

WHMIS: D2A & D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

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**16. Other information****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)"

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