

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

## **1. Product and Company Identification**

### **Commercial product name**

Plastic-Metal Ceramic BL Hardener

### **Further trade names**

104002

### **Chemical characterization ( Mixture )**

Modified aliphatic polyamine.

### **Company/undertaking identification**

#### **Manufacturer**

Weicon GmbH

Königsberger Straße 255

D-48157 Münster

Telephone: +49 (0) 251 9322 - 0

Telefax: +49 (0) 251 9322 - 244

e-mail: info@weicon.de

Internet: www.weicon.de

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

## **2. Hazards Identification**

### **Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

### **Signs and Symptoms of Exposure**

WARNING !

May impair fertility.

Harmful in contact with skin and if swallowed.

Causes burns.

May cause irritation of respiratory tract.

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
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 victim 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.

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

---

#### **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 physician**

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

---

### **5. Fire Fighting Measures**

#### **Suitable extinguishing media**

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water mist

#### **Unsuitable extinguishing media**

Full water jet

#### **Special hazards arising from the chemical**

Fire may produce:

Carbon monoxide (CO)

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

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

#### **Protective equipment and precautions for firefighters**

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.

---

### **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.

#### **Additional information**

Keep away sources of ignition.

---

### **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.

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

**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.

**8. Exposure Controls/Personal Protection****Exposure limit values****Exposure limits**

CAS No.	Components	ppm	mg/m <sup>3</sup>	fib/cc	Category	Origin
111-40-0	Diethylenetriamine	1	4		TWA (8 h)	REL

**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 &lt;Butoject 898&gt; made by www.kcl.de.

**Eye protection**

Tightly fitting goggles

Protective shield

**Skin protection**

Light protective clothing

Safety Shoes

**9. Physical and Chemical Properties****Appearance**

Form: Liquid

Color: Yellow

Odor: Similar to amine

**Important health, safety and environmental information**

pH-Value (at 20 °C):

Test method  
approx. 11 1:1 in water**Changes in the physical state**

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

---

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

### Stability

Stable

### Conditions to avoid

Keep away from heat.

### Materials to avoid

Reactions with strong acids and alkalies.

Reactions with strong oxidizing agents.

### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous gases

### Possibility of Hazardous Reactions

Will not occur

### 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.

### 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

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

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

DIETHYLENETRIAMINE (SOLUTION)

ID Number:	2079
Hazard Class or Division:	8
Packing group:	II
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**

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

**Air transport**

UN/ID number:	2079
ICAO/IATA-DGR:	8
Hazard label:	8



ICAO packing group:	II
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

Weicon GmbH

Revision date: 19.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Hardener

7619-0006

## 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.

## 16. Other Information

### Hazardous Materials Information Label (HMIS)

Health: \*2

Flammability: 1

Physical Hazard: 0

### NFPA Hazard Ratings

Health: 2

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.)*