

Weicon GmbH

Revision date: 22.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Resin

7619-0013

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

Plastic-Metal Ceramic BL Resin

Further trade names

10400-2

Use of the substance/preparation

Adhesive

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

Supplier

WEICON Inc.

20 Steckle Place, Unit 20

Kitchener, Ontario N2E 2C3

Telephone: 519 896 5252

Telefax: 519 896 5254

e-mail: info@weicon.ca

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

2. Hazards identification**Classification**

Indications of danger : Irritant, Dangerous for the environment

R-phrases:

Irritating to eyes and skin.

May cause sensitization by skin contact.

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

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

Resin for a two-component epoxy adhesive.

Hazardous components

CAS-No.	Chemical name	Quantity
409-21-2	Silicon carbide	40 - 55 %
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	20 - 28 %
9003-36-5	Epoxidharz	4 - 10 %
2425-79-8	1,4-bis(2,3 epoxypropoxy)butane, butanedioldiglycidyl ether	2 - 8 %
7631-86-9	silicon oxide	1 - 5 %

4. First aid measures**General information**

Remove contaminated soaked clothing immediately.

Weicon GmbH

Revision date: 22.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Resin

7619-0013

In the event of persistent symptoms receive medical treatment.

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

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.

Seek medical treatment by eye specialist.

After ingestion

If swallowed give water to drink.

Summon a doctor immediately.

Advice to doctor

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

5. Fire-fighting measures**Suitable extinguishing media**

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

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 (CO₂)

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.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures**Personal precautions**

Use personal protective clothing.

In case of vapour formation use respirator.

Ensure adequate ventilation.

Keep away sources of ignition.

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.

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.

When using, do not eat, drink or smoke.

Weicon GmbH

Revision date: 22.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Resin

7619-0013

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

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.

Advice on storage compatibility

Incompatible with:

Oxidizing agents, Amines, Acids and bases.

Further information on storage conditions

Do not store together with animal feedstuffs.

Do not store together with food.

Storageclass (VCI): 13

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.

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 nitrile, Minimum coat thickness 0.4 mm, Permeation

resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril 735> 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.

Eye protection

Tightly fitting goggles

Safety Shoes

Skin protection

Protective clothing

9. Physical and chemical properties**General information**

Physical state: Pasty

Colour: Blue

Odour: Mild

Important health, safety and environmental information

Weicon GmbH

Revision date: 22.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Resin

7619-0013

	Test method
pH-Value (at 20 °C):	approx. 7 1:1 in water
Changes in the physical state	
Melting point:	>200 °C
Boiling point:	>200 °C
Flash point:	150 °C
Vapour pressure: (at 20 °C)	<0,0001 hPa
Density (at 25 °C):	1.95 g/cm ³
Water solubility: (at 20 °C)	Insoluble
Viscosity / dynamic: (at 25 °C)	55000 - 80000 mPa·s

10. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.

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.

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Acute toxicity

LD50/oral = >5000 mg/kg Rat

Corrosive and irritant effects

Skin irritation: Irritant Rabbit

Eye irritation : Irritant Rabbit eye

Sensitizing effects

Sensitization through skin contact possible.

Sensitization skin (guinea pig): Sensitizing

Empirical data on effects on humans

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

12. Ecological information

Further information

Do not discharge product unmonitored into the environment.

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

Product is not allowed to be discharged into 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.

Weicon GmbH

Revision date: 22.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Resin

7619-0013

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

Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin)

UN/ID number: UN3082

Hazard classes: 9

Packing group: III

Hazard label: 9

Land transport (ADR/RID)

UN number: 3082

ADR/RID class: 9

Classification Code: M7

Warning plate

Hazard-no.: 90

Hazard label: 9



ADR/RID packing group: III

Limited quantity: LQ27

Description of the goods

Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin)

Other applicable information (land transport)

Transport category: 3

Tunnel restriction code: E

Additional label with symbol "fish and tree" according to subsection 5.2.1.8.3. ADR for single packagings and inner packagings with > 5 kg or 5 L.

Marine transport

UN number: 3082

IMDG code: 9

Hazard label: 9



IMDG packing group: III

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cont. epoxy resin)

Other applicable information (marine transport)

Additional label with symbol "fish and tree" according to subsection 5.2.1. IMDG Code for single packagings and inner packagings with > 5 kg or 5 L.

Air transport

UN/ID number: 3082

ICAO/IATA-DGR: 9

Hazard label: 9

Weicon GmbH

Revision date: 22.10.2009

Revision no.:

1,00

Plastic-Metal Ceramic BL Resin

7619-0013



ICAO packing group:

III

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cont. epoxy resin)

Other applicable information (air transport)

Additional label with symbol "fish and tree" according to subsection 7.1.6.3. IATA/DGR for single packagings and inner packagings with > 5 kg or 5 L.

15. Regulatory information

Canadian regulations

DSL/NDSL inventory status

All of the components are listed on the DSL Inventory.

WHMIS classification

WHMIS: 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.

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)"

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