

Weicon GmbH

Revision date: 28.10.2009

Revision no.:

1,00

Plastic-Metal HB 300 Resin

7619-0026

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

Plastic-Metal HB 300 Resin

**Further trade names**

10450-2

**Use of the substance/preparation**

Epoxy Resin

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

Weicon GmbH

Königsberger Straße 255

D-48157 Münster

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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:

Harmful in contact with skin.

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 )**

Epoxy resin based on bisphenol A and bisphenol F

**Hazardous components**

CAS-No.	Chemical name	Quantity
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	10 - 25 %
9003-36-5	Epoxidharz	10 - 25 %
28804-47-9	methyl toluenesulphonate	2.5 - 10 %

**4. First aid measures****General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

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**After inhalation**

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

Keep injured person warm and calm.

In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off immediately with soap and plenty of water. Do not use solvents or thinners.

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**

Never give anything by mouth to an unconscious person.

Summon a doctor immediately.

**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**

Alcohol-resistant foam.

Dry powder

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>)

**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.

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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.

Do not discharge into the subsoil/soil.

**Methods for cleaning up/taking up**

Take up with absorbent material.

Shovel into suitable container for disposal.

**Additional information**

After taking up the material dispose according to regulation.

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**7. Handling and storage**

**Handling**

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**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.

**Advice on protection against fire and explosion**

Pay attention to general rules of internal fire prevention.

Keep away from sources of ignition - No smoking.

**Storage****Requirements for storage rooms and vessels**

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

Protect from heat/overheating.

Protect from direct solar radiation.

**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):

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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.

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 off viton, Minimum coat thickness 0,7 mm, Permeation

resistance (wear duration) approx. 480 minutes, i.e. protective glove &lt;Vitoject 890&gt; 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

**Skin protection**Protective clothing

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## **9. Physical and chemical properties**

### **General information**

Physical state: Highly viscous  
 Colour: Grey  
 Odour: Characteristic

### **Important health, safety and environmental information**

Test method

#### **Changes in the physical state**

Flash point:	200 °C
Density (at 20 °C):	2.1 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Insoluble
Viscosity / dynamic: (at 20 °C)	22000 - 24000 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.

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

### **Additional information**

No decomposition if stored and applied as directed.

## **11. Toxicological information**

### **Corrosive and irritant effects**

Irritates mucous membranes.

Irritating to eyes and skin.

### **Sensitizing effects**

Sensitization through skin contact possible.

### **Empirical data on effects on humans**

Sensitization through skin contact possible.

Irritates mucous membranes.

Irritating to eyes and skin.

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.

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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**

**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**

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UN/ID number:	3082
ICAO/IATA-DGR:	9
Hazard label:	9



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 &gt; 5 kg or 5 L.

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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: 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.)*