

Weicon GmbH

Revision date: 31.10.2009

Revision no.:

1,00

Plastic-Metal WR 2 Resin

7619-0030

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

Plastic-Metal WR 2 Resin

Further trade names

10350-1

Use of the substance/preparation

Adhesive / Resin

Company/undertaking identification**Manufacturer**

Weicon GmbH

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

Supplier

WEICON Inc.

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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 : Irritant, Dangerous for the environment

R-phrases:

May cause harm to the unborn child.

Possible risk of impaired fertility.

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
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	35 - 47 %
14807-96-6	Talc	25 - 40 %

4. First aid measures**General information**

Remove contaminated soaked clothing immediately.

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

Administer activated charcoal.

Do not induce vomiting.

Summon a doctor immediately.

If swallowed by mistake drink plenty of water and seek medical treatment.

5. Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), 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.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions

Use personal protective clothing.

Avoid dust formation.

Keep away sources of ignition.

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.

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.

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Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Pay attention to general rules of internal fire prevention.

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.
Storage temperature between 2°C to 40°C.
Protect from heat/overheating.

Advice on storage compatibility

Incompatible with:
Oxidizing agents, Amines, Acids and bases.

Further information on storage conditions

Do not store together with animal feedstuffs.

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.
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. Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Polychloropren, 0,6 mm, 480 min., 30 min., i.e. protective glove <Camapren> made by www.kcl.de.

Eye protection

Tightly fitting goggles

Skin protection

Long sleeved clothing. Protective overalls

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9. Physical and chemical properties

General information

Physical state: Pasty
 Colour: Black
 Odour: Hardly noticeable

Important health, safety and environmental information

	Test method
Changes in the physical state	
Boiling point:	>200 °C
Decomposition point:	>200 °C
Flash point:	>200 °C Pensky-Martens CC EN 22719
Vapour pressure: (at 20 °C)	<0,0001 hPa
Density (at 25 °C):	2 g/cm ³
Water solubility: (at 20 °C)	More or less insoluble

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.
 Risk of formation of toxic pyrolysis products.

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

Persistence and degradability

Not readily degradable

Further information

Do not discharge product unmonitored into the environment.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 Product is not allowed to be discharged into aquatic environment.

13. Disposal considerations**Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Remove in accordance with local official regulations. 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. (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. (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

EmS: F-A; S-F

Limited quantity: 5 L / 30 kg

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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



ICAO packing group:	III
Limited quantity Passenger:	Y914 / 30 kg G
IATA-packing instructions - Passenger:	914
IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	914
IATA-max. quantity - Cargo:	450 L

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.)