

Weicon GmbH

Revision date: 21.01.2010

Revision no.:

1,00

Urethane Resin for Hardener 45, 60, 80

7619-0129

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

Urethane Resin for Hardener 45, 60, 80

**Further trade names**

10510-1

**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 : Harmful

R-phrases:

Harmful by inhalation.

May cause sensitization by inhalation and skin contact.

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

Resin for a two-component epoxy adhesive.

**Hazardous components**

CAS-No.	Chemical name	Quantity
28182-81-2	aliphatic polyisocyanate	2.5 - 10 %
584-84-9	4-methyl-m-phenylene diisocyanate, toluene-2,4-di-isocyanate	<1 %

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

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

If threatening unconsciousness, position and transport in recovery position.

**After inhalation**

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

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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**

Do not induce vomiting.  
Refer for medical treatment.

**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**

Dry fire-extinguishing substance  
Carbon dioxide  
Water spray jet

**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>)  
Hydrogen cyanide (HCN)

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

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

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**6. Accidental release measures**

**Personal precautions**

Remove persons to safety.  
Ensure adequate ventilation.  
Use personal protective clothing.

**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.

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**7. Handling and storage**

**Handling**

**Advice on safe handling**

Use only in thoroughly ventilated areas.  
Avoid formation of aerosols.  
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.

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 in closed original container.

Recommended storage temperature: room temperature.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 13

**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (ACGIH)**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
584-84-9	Toluene 2,4-diisocyanate	(0.005)	NIC		TWA (8 h)	TLV
		(0.02)	NIC		STEL (15 min)	TLV
		-	-		Peak	TLV

**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Do not inhale gases/vapours/aerosols.

**Protective and hygiene measures**

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**

Use suitable breathing apparatus if there is inadequate ventilation.

**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.

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**

Long sleeved clothing.

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

Physical state: Liquid

Colour: Clear

Odour: Characteristic

**Important health, safety and environmental information**

Test method

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**Changes in the physical state**

Boiling point:	>300 °C	DIN 51751
Flash point:	> 100 °C	Closed cup
Density (at 20 °C):	1,1 g/cm <sup>3</sup>	ISO 2811
Water solubility: (at 20 °C)	Immiscible	
Viscosity / dynamic: (at 25 °C)	6750 mPa·s	ISO 9371

**10. Stability and reactivity****Conditions to avoid**

Keep away from heat and sources of ignition.

**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>)

Risk of formation of toxic pyrolysis products.

**Additional information**

No decomposition if stored and applied as directed.

**11. Toxicological information****Corrosive and irritant effects**

Skin irritation = Non-irritant      Rabbit

Eye irritation = Non-irritant      Rabbit eye

**Sensitizing effects**

Sensitization skin (guinea pig): Sensitizing

Sensitization through inhalation possible.

Sensitization through skin contact possible.

**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**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.

The waste code number must be agreed with the disposer / manufacturer / competent authority.

**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**

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**Proper shipping name**

Not regulated.

**Land transport (ADR/RID)**

**Description of the goods**

No hazardous material as defined by the transport regulations.

**Other applicable information**

No hazardous material as defined by the transport regulations.

**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.

**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.)*