

Weicon GmbH

Revision date: 21.01.2010

Revision no.:

1,00

Urethane Resin for Hardener 45, 60, 80

7619-0129

1. Product and Company Identification

Commercial product name

Urethane Resin for Hardener 45, 60, 80

Further trade names

10510-1

Chemical characterization (Mixture)

Resin for a two-component epoxy adhesive.

Company/undertaking identification

Manufacturer

Weicon GmbH

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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

CAUTION !

Harmful by inhalation.

May cause sensitization by inhalation and 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
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.

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.

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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 physician

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

5. Fire Fighting Measures

Suitable extinguishing media

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen cyanide (HCN)

Protective equipment and precautions for firefighters

Use breathing apparatus with independent air supply.

Additional information

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

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.

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.

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

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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.

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

CAS No.	Components	ppm	mg/m ³	fib/cc	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
584-84-9	Toluene-2,4-diisocyanate Toluene-2,4-diisocyanate (TDI)	-	-		TWA (8 h)	REL
		-	-		TWA (8 h)	PEL
		C 0.02	C 0.14		Ceiling	PEL

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 <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.

Eye protection

Tightly fitting goggles

Skin protection

Long sleeved clothing.

9. Physical and Chemical Properties**Appearance**

Form: Liquid
 Color: Clear
 Odor: Characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point: >300 °C DIN 51751

Flash point: > 100 °C Closed cup

Density (at 20 °C): 1,1 g/cm³ ISO 2811

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Water solubility:
(at 20 °C)

Immiscible

Viscosity / dynamic:
(at 25 °C)

6750 mPa·s ISO 9371

10. Stability and Reactivity

Stability

Stable

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_x)

Risk of formation of toxic pyrolysis products.

Possibility of Hazardous Reactions

Will not occur

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

US DOT 49 CFR 172.101

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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**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.

State Regulations

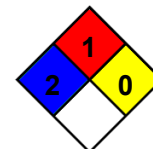
This product contains max VOC: 0%

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.)