

**WEICON WR 2 Resin****! SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Name of product** WEICON WR 2 Resin  
Code-Nr. 103501

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended intended purpose(s)**

2-Component Epoxy Resin - Resin Component

**1.3. Details of the supplier of the safety data sheet****Distributor**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster  
Phone +49(0)251 / 9322 - 0, Fax +49(0)251 / 9322 - 244  
E-Mail : msds@weicon.de  
Internet : www.weicon.de

**Advice**

Produktsicherheit / Product-Safety-Department  
Phone +49(0)251 / 9322 - 0  
E-mail (competent person):  
msds@weicon.de

**1.4. Emergency telephone number**

EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel:  
++44 1865 407333 (English)  
TRANSPORT EMERGENCY CONTACT - UK, UAE, South  
Africa (24h): Tel: ++44 1865 407333 (English)

**Manufacturer**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster

**1.4. Emergency telephone number**

GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):  
Tel: ++49 69 222 25285 (Deutsch, Englisch)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
Skin Sens. 1	H317	
Aquatic Chronic 2	H411	

**Hazard Statements**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS07



GHS09

**Signal word**

Warning

**Hazard Statements**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P102	Keep out of reach of children.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P501	Dispose of contents/container to hazardous or special waste collection point.

**Hazardous ingredients for labeling**

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight &lt;= 700)

**Supplemental Hazard information (EU)**

4,9 % of the mixture consists of one or more components of unknown toxicity.

Mixture contains 4,9 % components with unknown hazards to the aquatic environment.

**Special rules for supplemental label elements for certain mixtures**

Contains epoxy constituents. May produce an allergic reaction.

**2.3. Other hazards**

When grinding/processing the cured material, a dust containing quartz can be produced.

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****Description**

Formulated Bisphenol-A-Epoxy Resin.

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
25068-38-6	500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	30 - 60	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411
38640-62-9	254-052-6	Bis(isopropyl)naphthalene	3 - 7	Asp. Tox. 1, H304 / Aquatic Chronic 1, H410

**REACH**

CAS No	Name	REACH registration number
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	01-2119456619-26-xxxx

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

Do not induce vomiting.

Call for a doctor immediately.

Give water to drink in small sips.

Rinse out mouth thoroughly with water.

**4.2. Most important symptoms and effects, both acute and delayed****Physician's information / possible symptoms**

vomiting

Respiratory complaints

Allergic symptoms

Nausea

skin irritation

**Physician's information / possible dangers**

allergic reactions



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**4.3. Indication of any immediate medical attention and special treatment needed**

**Treatment (Advice to doctor)**

Keep under medical supervision for at least 48 hours.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

**5.2. Special hazards arising from the substance or mixture**

Metal oxides

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Sulfur oxide

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

**Additional information**

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

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

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

**6.2. Environmental precautions**

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

**6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

**Additional Information**

Sort out leaky cans and dispose according to regulations.

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8



## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Open and handle container with care!

#### General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

#### Hygiene measures

At work do not eat, drink and smoke.

Remove soaked clothing immediately.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep in closed original container.

#### Advice on storage compatibility

Do not store with acids or alkalis.

Do not store together with animal feedstuffs.

Do not store together with food.

Do not store together with oxidizing agents.

#### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

Storage temperature between 2°C to 40°C

Store in a dry place.

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

See section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL-/PNEC-values

#### DNEL worker

CAS No	Substance name	Value	Code	Remark
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	12,25 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		8,33 mg/kg bw/day	DNEL long-term dermal (systemic)	
		8,33 mg/kg bw/day	DNEL long-term dermal (local)	
38640-62-9	Bis(isopropyl)naphthalene	30 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		4,3 mg/kg bw/day	DNEL long-term dermal (systemic)	



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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### WEICON WR 2 Resin

#### PNEC

CAS No	Substance name	Value	Code	Remark
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	0,006 mg/l	PNEC aquatic, freshwater	
		10 mg/l	PNEC sewage treatment plant (STP)	
		0,996 mg/kg	PNEC sediment, freshwater	
		0,0996 mg/kg	PNEC sediment, marine water	
		0,0006 mg/l	PNEC aquatic, marine water	
38640-62-9	Bis(isopropyl)naphthalene	0,26 µg/l	PNEC aquatic, freshwater	
		0,094 mg/kg	PNEC sediment, marine water	
		0,94 mg/kg	PNEC sediment, freshwater	
		0,026 µg/l	PNEC aquatic, marine water	
		0,15 mg/l	PNEC sewage treatment plant (STP)	

#### Additional advice

The statutory local and national regulations have to be observed.

#### 8.2. Exposure controls

##### Respiratory protection

If ventilation insufficient, wear respiratory protection.

Selection of the appropriate filter type depends on the quantity and chemicals handled at the workplace. Contact supplier of respiratory protective equipment or more information about filter properties.

Breathing apparatus in the event of aerosol or mist formation.

##### Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min

##### Eye protection

tightly fitting goggles

##### Other protection measures

protective clothing

##### Appropriate engineering controls

Sufficient ventilation and exhaustion.

## SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

pasty

##### Colour

black

##### Odour

hardly noticeable

##### Odour threshold

**WEICON WR 2 Resin**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	> 200 °C				
<b>melting point</b>	not determined				
<b>Flash point</b>	> 200 °C			DIN 51758	Pensky-Martens Closed Cup
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	< 0,01 Pa	20 °C			
<b>Relative density</b>	2 g/cm <sup>3</sup>	25 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>		20 °C			more or less insoluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	> 200 °C				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined	40 °C			

**Oxidising properties**

No information available.

**Explosive properties**

No information available.

**9.2. Other information**

No information available.



## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

Reactions with acids, alkalies and oxidising agents.

### 10.4. Conditions to avoid

Keep away from heat.

### 10.5. Incompatible materials

#### Substances to avoid

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

### 10.6. Hazardous decomposition products

Gases/vapours, toxic

Carbon monoxide and carbon dioxide.

### Thermal decomposition

Remark No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat		CAS: 25068-38-6
<b>LD50 acute dermal</b>	> 2000 mg/kg	rat		CAS: 25068-38-6
<b>LC50 acute inhalation</b>	1E-5 ppm (5 h)	rat		CAS: 25068-38-6
<b>Skin irritation</b>	irritant	rabbit	OECD 404	CAS: 25068-38-6
<b>Eye irritation</b>	irritant	rabbit eye	OECD 405	CAS: 25068-38-6
<b>Skin sensitization</b>	sensitizing		OECD 429	CAS: 25068-38-6

#### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Chronic Toxicity</b>	NOAEL 50 mg/kg (90 d) Repeated Dose 90-Day Oral Toxicity Study in Rodents	CAS: 25068-38-6	OECD 408	-

#### Mutagenicity

No experimental information on genotoxicity in vitro available.





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## WEICON WR 2 Resin

	Value	Species	Method	Validation
<b>Reproduction-Toxicity</b>	NOEL 540 mg/kg  Experimental value	CAS: 25068-38-6	OECD 416	No indications of toxic effects were observed in reproduction studies in animals.

### Carcinogenicity

No indications of carcinogenic effects are available from long-term trials.

### Experiences made from practice

Sensitization through inhalation possible.

Irritates respiratory tract.

Irritates mucous membranes.

Irritates eyes and skin.

### Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 1,5 mg/l (96 h)	Fish	OECD 203	CAS: 25068-38-6
<b>Daphnia</b>	EC 50 1,7 mg/l (48 h)	Daphnia sp.	OECD 202	CAS: 25068-38-6
<b>Algae</b>	EC50 9,4 mg/l (72 h)	Green algae	EPA CFR	CAS: 25068-38-6
<b>Bacteria</b>	IC50 > 100 mg/l (3 h)			CAS: 25068-38-6

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	5 % (28 d) CAS: 25068-38-6		OECD 301 F	not readily degradable

### 12.3. Bioaccumulative potential

Slight bioaccumulation potential.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

#### General regulation

Toxic to aquatic life with long lasting effects.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Waste code No.**

07 02 08\*

**Name of waste**

other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

Dispose of as hazardous waste.

**Recommendations for packaging**

Dispose of according to the local waste regulations.

Packaging that cannot be cleaned should be disposed of like the product.

**General information**

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	3082	3082	3082
<b>14.2. UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY HARZ)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN)	Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A EPOXY RESIN)
<b>14.3. Transport hazard class(es)</b>	9	9	9
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**Land and inland navigation transport ADR/RID**

Hazard label(s) 9

tunnel restriction code E

Classification code M6

**Marine transport IMDG**

MARINE POLLUTANT



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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### VOC standard

VOC content 0 %

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

For industrial use only.

### Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.2

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.