



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed

07.01.2016

revision

17.07.2015 (GB) Version 8.2

### WEICON A Hardener

## ! SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

#### Name of product

WEICON A Hardener

Code-Nr. 100002

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### ! Recommended intended purpose(s)

2-Component Epoxy Resin - Hardener Component

### 1.3. Details of the supplier of the safety data sheet

#### Distributor

WEICON GmbH & Co. KG

Königsberger Str. 255, DE-48157 Münster

Postbox 48045, DE-8460 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

GIZ Bonn (German, English) Tel: ++49(0)228-19 240

TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178

433 7434 (24h Emergency Contact)

#### Manufacturer

WEICON GmbH & Co. KG

Königsberger Str. 255, DE-48157 Münster

### 1.4. Emergency telephone number

#### Emergency advice

-

Phone -

GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)

Tel: ++49(0)228-19 240

TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178

433 7434 (24h Emergency Contact)

## 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

Skin Corr. 1A

H314

Eye Dam. 1

H318

Skin Sens. 1

H317

Aquatic Chronic 3

H412

#### Hazard Statements

H314

Causes severe skin burns and eye damage.

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS05



GHS07

### Signal word

Danger

### Hazard Statements

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

### Precautionary Statements

P102	Keep out of reach of children.
P260	Do not breathe 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.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

### Hazardous ingredients for labeling

TRIETHYLENETETRAMINE, PROPOXYLATED

## 2.3. Other hazards

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

### Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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

not applicable

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

Modified polyamine

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
90-72-2	202-013-9	2,4,6-Tris (dimethylaminomethyl) phenol	1 - 3	Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Eye Dam. 1, H318 / Skin Sens. 1B, H317 / Aquatic Chronic 3, H412
112-24-3	203-950-6	trientine	7 - 13	Acute Tox. 4, H302; H312 / Skin Corr. 1B, H314 / Eye Dam. 1, H318 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412
2695063-0	500-055-5	TRIETHYLENETETRAMINE, PROPOXYLATED	13 - 30	Acute Tox. 4, H312 / Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412

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

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

Seek medical treatment immediately.

**! In case of skin contact**

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

Seek medical treatment immediately.

In case of skin contact, rinse with water for at least 10 minutes.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**In case of ingestion**

Do not induce vomiting.

Call for a doctor immediately.

Rinse out mouth thoroughly with water.

Give plenty of water to drink in small sips.

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

Unconsciousness

vomiting

Allergic symptoms

Skin burns

Nausea

Gastrointestinal complaints

skin irritation

**Physician's information / possible dangers**

allergic reactions

Causes serious eye damage.



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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.

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

Carbon monoxide (CO)

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

#### **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**

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**

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.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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### **! SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **! Advice on safe handling**

Avoid formation of aerosols.

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

Open and handle container with care!



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**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 soiled or 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 alkalies.  
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**

Store closed container at cool and aired place.  
Protect from frost.  
Protect from heat and direct solar radiation.  
Storage temperature between 2°C to 40°C

**7.3. Specific end use(s)**

**Recommendation(s) for intended use**

See section 1.2

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**! SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Additional advice**

The statutory local and national regulations have to be observed.

**8.2. Exposure controls**

**Respiratory protection**

If ventilation insufficient, wear respiratory protection.  
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**

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



## SECTION 9: Physical and chemical properties

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

**Appearance**  
pasty

**Colour**  
green

**Odour**  
hardly noticeable

**Odour threshold**  
not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	11-12	20 °C			1:1 in water
<b>boiling point</b>	> 200 °C				
<b>melting point</b>	not determined				
<b>Flash point</b>	> 100 °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 applicable				
<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>	not determined				
<b>Relative density</b>	not determined				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>		20 °C			soluble
<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 kinematic</b>	not determined	40 °C			
<b>Viscosity dynamic</b>	not determined				

**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**

No information available.

**10.5. Incompatible materials**

**Substances to avoid**

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

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

Toxic gases/vapours

Metaloxides

**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: 26950-63-0
<b>LD50 acute dermal</b>	> 1000 mg/kg	rabbit		CAS: 26950-63-0
<b>Skin irritation</b>	corrosive	rabbit	OECD 404	
<b>Eye irritation</b>	corrosive	rabbit eye	OECD 405	
<b>Skin sensitization</b>	sensitizing	Guinea pig	OECD 406	

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
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	Value	Species	Method	Validation
<b>Chronic Toxicity</b>	NOAEL 50 mg/kg (90 d) Repeated Dose 90-Day Oral Toxicity Study in Rodents OECD 408			-
<b>Mutagenicity</b>				No experimental information on genotoxicity in vitro available.
<b>Carcinogenicity</b>				No indications of carcinogenic effects are available from long-term trials.
<b>Experiences made from practice</b> Corrosive effect on skin and mucous membrane. Sensitization through skin contact possible. Causes corrosions. Risk of strong eye injuries.				
<b>Additional information</b> 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 330 mg/l (96 h)	Fish	EPA OPPTS EPA OTS 797. 1400	CAS: 112-24-3
<b>Daphnia</b>	EC50 31,1 mg/l (48 h)	Daphnia magna	EU EC C.2 Acute Toxicity for Daphnia	CAS: 112-24-3
<b>Algae</b>	ErC50 20 mg/l (72 h)	Green algae	OECD 201	CAS: 112-24-3
<b>Bacteria</b>	EC50 800 mg/l (30 min)	Leuciscus idus		CAS: 112-24-3

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	0 % (162 d) CAS: 112-24-3		OECD 301 D	not degradable
<b>Degradability</b>	4 % (28 d) CAS: 90-72-2		OECD 301 D	not degradable

### 12.3. Bioaccumulative potential

Slight bioaccumulation potential.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects





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### WEICON A Hardener

#### General regulation

Harmful 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 04\*

##### Name of waste

other organic solvents, washing liquids and mother liquors

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

Empty containers can be deposited after cleaning in accordance with the local waste regulations.

Dispose of according to the local waste regulations.

## ! SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	2735	2735	2735
14.2. UN proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENETETRAMINE, PROPOXYLATED)	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENETETRAMINE, PROPOXYLATED)	Amines, liquid, corrosive, n.o.s. (TRIETHYLENETETRAMINE, PROPOXYLATED)
14.3. Transport hazard class(es)	8	8	8
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

#### 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) 8

tunnel restriction code E

Special provisions 274

Classification code C7



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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

#### ! Training advice

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

#### ! 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: 8.1

H302	Harmful if swallowed.
H302;	-?-
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.