



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

**1.1. Product identifier**

**Name of product** Easy-Mix HT 180 Resin  
Code-Nr. 106541

**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  
Fax : +49(0)251 / 9322 - 244  
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 Corr. 1B	H314	
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Eye Dam. 1		
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Skin Sens. 1	H317	
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**Hazard Statements**

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

**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.

**Precautionary Statements**

P102 Keep out of reach of children.

P260 Do not breathe vapours/spray.

P264 Wash hands thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/eye protection.

P301 + P330 + IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P331

P303 + P361 + IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P353

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P338

P310 Immediately call a POISON CENTER or doctor/physician.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container to hazardous or special waste collection point.

**Hazardous ingredients for labeling**

2-Ethyl-4-methylimidazol, 2-Methylpentan-1,5-diamin, 2,4,6-tris(dimethylaminomethyl)phenol, 3,3'-Oxybis(ethylenoxy) bis(propylamin), Bis((dimethylamino)methyl)phenol

**2.3. Other hazards**
**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**
**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	5 < 10	Acute Tox. 4, H302 / Eye Irrit. 2, H319 / Skin Irrit. 2, H315
71074-89-0	275-162-0	Bis((dimethylamino)methyl)phenol	1 < 2,5	Skin Corr. 1B, H314

**Hazardous ingredients (continued)**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
4246-51-9	224-207-2	3,3'-Oxybis(ethylenoxy)bis(propylamin)	10 - 15	Skin Corr. 1B, H314 / Eye Dam. 1, H318 / Skin Sens. 1, H317
931-36-2	213-234-5	2-Ethyl-4-methylimidazol	2,5 < 3	Acute Tox. 4, H302 / Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Skin Sens. 1B, H317
15520-10-2	239-556-6	2-Methylpentan-1,5-diamin	1 < 2,5	Acute Tox. 4, H302, H312 / Acute Tox. 4, H332 / Skin Corr. 1A, H314 / Eye Dam. 1, H318 / STOT SE 3, H335
822-36-6	212-497-3	4-Methylimidazol	0,3 < 0,5	Acute Tox. 3, H301, H331 / Skin Corr. 1B, H314 / Eye Dam. 1, H318 / Carc. 2, H351 / STOT SE 335, H335 /
60676-86-0	262-373-8	Siliciumdioxid, glasartig	10 - 15	

**REACH**

CAS No	Name	REACH registration number
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	01-2119560597-27
71074-89-0	Bis((dimethylamino)methyl)phenol	not subject to registration
4246-51-9	3,3'-Oxybis(ethylenoxy)bis(propylamin)	01-2119963377-26
931-36-2	2-Ethyl-4-methylimidazol	01-2119980935-21
15520-10-2	2-Methylpentan-1,5-diamin	01-2119976310-41
822-36-6	4-Methylimidazol	01-2119948594-25
60676-86-0	Siliciumdioxid, glasartig	not subject to registration

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

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
Refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with plenty of water.  
Refer for medical treatment.

**In case of eye contact**

After eye contact, rinse opened eye for 15 minutes under running water. Transfer to hospital for specialist examination.

**In case of ingestion**

Seek medical advice.  
Do not induce vomiting.  
Call for a doctor immediately.  
Rinse out mouth and give plenty of water to drink.

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

vomiting  
Skin burns  
Gastrointestinal complaints

**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**

No information available.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Dry fire-extinguishing substance

ABC powder

Carbon dioxide

water mist

**Unsuitable extinguishing media**

Halone

Full water jet

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

In case of fire formation of dangerous gases possible.

Ammonia

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

Carbon monoxide (CO)

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

Formaldehyde vapours

**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.

Remove persons to safety.

Use personal protective clothing.

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

**For emergency responders**

Keep away sources of ignition.

**6.2. Environmental precautions**

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

**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).

Ventilate area concerned

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

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.  
 Open and handle container with care!  
 Take the usual precautions when handling with chemicals.

#### General protective measures

Do not inhale vapours.  
 Avoid contact with eyes and skin  
 Ensure sufficient ventilation.

#### Hygiene measures

At work do not eat, drink and smoke.  
 Remove soiled or soaked clothing immediately.  
 Work in rooms with good ventilation.  
 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 only in 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 atmospheric moisture and water  
 Protect from heat and direct solar radiation.

### 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

#### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
60676-86-0	Silica, fused respirable dust	8 hours	0.08		EH40/2005

#### DNEL-/PNEC-values

##### DNEL worker

CAS No	Substance name	Value	Code	Remark
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	0,31 mg/m3	DNEL long-term inhalative (systemic)	

##### PNEC

CAS No	Substance name	Value	Code	Remark
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	0,2 mg/l	PNEC sewage treatment plant (STP)	



# Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 05.08.2019

revision 10.07.2018 (GB) Version 1.4

## Easy-Mix HT 180 Resin

### DNEL-/PNEC-values (continued)

CAS No	Substance name	Value	Code	Remark
		0,084 mg/l	PNEC aquatic, freshwater	
		0,0084 mg/l	PNEC aquatic, marine water	

### Additional advice

The statutory local and national regulations have to be observed.

### 8.2. Exposure controls

#### Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

Short term: filter apparatus, filter A

#### Hand protection

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

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

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min;60min.

#### 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

viscous

#### Colour

yellowy-brown

#### Odour

similar to amine

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	132,5 °C		ca. 1,3 hPa		Calculated out of the components.
<b>melting point</b>	not determined				
<b>Flash point</b>	> 93,4 °C			closed cup	
<b>Vapourisation rate</b>	1				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				

**Easy-Mix HT 180 Resin**

	Value	Temperature	at	Method	Remark
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	< 10 hPa	20 °C			
<b>Relative density</b>	1,13 g/cm <sup>3</sup>	25 °C			
<b>Vapour density</b>	> 1	20 °C			
<b>Solubility in water</b>					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>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	> 10000 mm <sup>2</sup> /s	40 °C			
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	no				
<b>9.2. Other information</b>	No information available.				

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Reactions with acids, alkalies and oxidising agents.

Reactions with peroxides and other radical components.

**10.4. Conditions to avoid**

Keep away from heat.

Moisture.

**Easy-Mix HT 180 Resin****10.5. Incompatible materials****Substances to avoid**

strong bases  
Hydrofluorocarbons  
Alkali (lye)  
Peroxide  
Acid  
Oxidising agent  
Moisture.

**10.6. Hazardous decomposition products**

Hydrogen cyanide (hydrocyanic acid)  
Carbon monoxide and carbon dioxide.  
Nitrous oxides (NOx)  
Formaldehyde  
Ammonia

**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>	ca. 731 mg/kg	rat	OECD 401	CAS: 931-36-2
<b>LD50 acute dermal</b>	440 mg/kg	rabbit		CAS: 822-36-6
<b>LC50 acute inhalation</b>	> 0,03 mg/l (8 h)	rat	OECD 403	CAS: 931-36-2
<b>Skin irritation</b>	corrosive			
<b>Eye irritation</b>	corrosive			
<b>Skin sensitization</b>	sensitizing			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No experimental information on genotoxicity in vitro available.
<b>Reproduction-Toxicity</b>				No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>				No indications of carcinogenic effects are available from long-term trials.



**Toxicity test (Additional information)**

Substance has no mutagen activity ( Ames test ).

**Experiences made from practice**

Acute Tox: Beobachtungen ergaben keine Beeinträchtigungen. Daher ergaben keine Einstufung.

Sensitization through skin contact possible.

Causes corrosions.

Irritates respiratory tract.

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.

The product has not been tested. The information is derived from the properties of the individual components.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	LC50 180 - 240 mg/l (96 h)	Oncorhynchus mykiss		CAS: 90-72-2
<b>Daphnia</b>	NOEC 4,16 mg/l (21 d)	Daphnia magna	OECD 211	CAS: 15520-10-2
<b>Algae</b>	NOEC 10 mg/l (72 h)	Pseudokirchneriella subcapitata	OECD 201	CAS: 15520-10-2
<b>Bacteria</b>	EC50 30 mg/l (18 h)	Pseudomonas putida		CAS: 15520-10-2

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	< 10 % (60 d) CAS: 4246-51-9		OECD 301 B	not readily degradable
<b>Degradability</b>	100 % (28 d) CAS: 15520-10-2		OECD 301 D	Biodegradable

**12.3. Bioaccumulative potential**

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

**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**

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.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.



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**SECTION 13: Disposal considerations****13.1. Waste treatment methods****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.

**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.

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**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	3267	3267	3267
<b>14.2. UN proper shipping name</b>	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ALIPHATIC AMINE)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ALIPHATIC AMINE)	Corrosive liquid, basic, organic, n.o.s. (ALIPHATIC AMINE)
<b>14.3. Transport hazard class(es)</b>	8	8	8
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	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

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****! 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: 1.3

H301,	-?-
<del>H302</del>	Harmful if swallowed.
H302,	-?-
<del>H312</del>	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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).