

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

Name of product Easy-Mix PE-PP 45 Resin
Code-Nr. 106601

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	

Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

2.2. Label elements

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

GHS07

Signal word

Warning

Hazard Statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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

Hazardous ingredients for labeling

2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate, 2-ethylhexyl methacrylate, 2-hydroxyethyl methacrylate

Supplemental Hazard information (EU)

36% of the mixture consists of one or more components of unknown toxicity.

Mixture contains 31% of components with unknown hazards to the aquatic environment.

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**

**Hazardous ingredients (continued)**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
868-77-9	212-782-2	2-hydroxyethyl methacrylate	< 1	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317
2455-24-5	219-529-5	Tetrahydrofurfuryl methacrylate	30 - 70	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 /
20882-04-6	244-096-4	2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate	1 - 10	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317
688-84-6	211-708-6	2-ethylhexyl methacrylate	10 < 20	Skin Sens. 1B, H317 / Aquatic Chronic 3, H412
21282-97-3	244-311-1	Butansäure, 3-oxo-, 2-[(2-methyl-1-oxo-2-propenyl)oxo]ethylester	1 - 15	
93924-19-7	300-212-6	Aschen (Rückstände), Cenospheren	1 - 5	

REACH

CAS No	Name	REACH registration number
93924-19-7	Aschen (Rückstände), Cenospheren	01-2119563688-21-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.

Refer to medical treatment.

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

Nausea

Confusion

skin irritation

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

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet



Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Hydrogen cyanide (HCN)

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

Cool endangered containers with water spray jet.

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

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. general-purpose binder).

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

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.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Do not inhale dust.

Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

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.

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 only in original container at cool and aired place.

Protect from direct solar radiation.

Protect from heat/overheating.

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

Additional advice

The statutory local and national regulations have to be observed.

8.2. Exposure controls

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Short-term: filter apparatus, filter A2/P2, otherwise environment-independent breathing apparatus.

Hand protection

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.

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.

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

beige

Odour

characteristic

Odour threshold



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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Easy-Mix PE-PP 45 Resin

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
boiling point	> 110 °C				CAS: 688-84-6
melting point	not applicable				
Flash point	> 94 °C				CAS: 688-84-6
Vapourisation rate	not determined				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined	20 °C			
Relative density	ca. 1 g/ml	20 °C			
Vapour density	not determined				
Solubility in water					more or less insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P OW)	not determined				
Decomposition temperature	not determined				
Viscosity	17 - 36 Pa*s				
Solvent content	1 %				
Oxidising properties	No information available.				
Explosive properties	no				

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 and strong oxidising agents.

10.4. Conditions to avoid

Keep away from heat.

Light effect.

10.5. Incompatible materials**Substances to avoid**

Acid, concentrated

Oxidising agent, strong

10.6. Hazardous decomposition products

Gases/vapours, toxic

Hydrogen cyanide (hydrocyanic acid)

Carbon monoxide and carbon dioxide.

Nitrous oxides (NO_x)

Aldehydes

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
LD50 acute oral	> 2000 mg/kg			ATE
LD50 acute dermal	2000 - 5000 mg/kg		estimate	CAS: 2455-24-5
Skin irritation	irritant			
Eye irritation	irritant			
Skin sensitization	sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Chronic Toxicity				-
Mutagenicity				No experimental information on genotoxicity in vitro available.



Value	Species	Method	Validation
Reproduction-Toxicity			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 Swallowing may cause vomiting and diarrhoea. Sensitization through skin contact possible. Irritates eyes and skin. Dust or formation of smoke irritates mucous membranes of respiratory tract.			
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
Fish	LC50 34,7 mg/l (96 h)	Pimephales promelas		CAS: 2455-24-5
Daphnia	EC50 4,6 mg/l (48 h)	Daphnia magna		CAS: 688-84-6
Algae	EC50 345 mg/l (72 h)	Green algae		CAS: 868-77-9

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	88 % (28 d) CAS: 688-84-6		OECD 301 C	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

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

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



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

08 04 09*

Name of waste

waste adhesives and sealants containing organic solvents or other hazardous substances

20 01 27*

paint, inks, adhesives and resins containing hazardous substances

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.

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

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

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

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard****VOC content**

1 %

VOC value

ca.10 g/L

15.2. Chemical Safety Assessment

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



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: 8.6

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.