



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed

12.04.2017

revision

03.08.2016 (GB) Version 1.4

Easy-Mix PU-90 Adhesive

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

1.1. Product identifier

Name of product

Easy-Mix PU-90 Adhesive

Code-Nr. 107511

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

Recommended intended purpose(s)

Two-component polyurethane adhesives - curing component

1.3. Details of the supplier of the safety data sheet

NZ 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

sales@industrialtechnologies.co.nz

PO Box 39340, Wgtn Mail Centre.

59 Marsden Street, Lower Hutt

ph.: 04 5693 465

1.4. Emergency telephone number

NZ National Poisons Centre

Dunedin School of Medicine

0800 POISON (0800 764 766)

Manufacturer

WEICON GmbH & Co. KG

Königsberger Str. 255, DE-48157 Münster

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

Acute Tox. 4

H332

Skin Irrit. 2

H315

Eye Irrit. 2

H319

Resp. Sens. 1 H334 Skin Sens. 1 H317

Carc. 2 H351 STOT SE 3 H335 STOT

RE 2 H373

Hazard Statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

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



GHS07



GHS08

Signal word

Danger

Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P285	In case of inadequate ventilation wear respiratory protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
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.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.



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P501

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

Hazardous ingredients for labeling

diphenylmethanediisocyanate, isomeres and homologues, Formaldehyd, Polymer mit Anilin und Carbonyldichlorid, 4,4'-Methylenediphenyl diisocyanate, oligomers, Polymethylenpolyphenylpolyisocyanat, Polymer mit Ethylenediamin, Methyloxiran und Porpan-1,2-diol

Special rules for supplemental label elements for certain mixtures

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. Contains isocyanates. May produce an allergic reaction.

Additional information

Remark For industrial use only.

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

Description

Adhesive basing on polyurethane

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
9016-87-9		diphenylmethanediisocyanate, isomeres and homologues	25 - 50	Acute Tox. 4, H332 / Eye Irrit. 2, H319 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Resp. Sens. 1, H334 / Skin Sens. 1, H317 / Carc. 2, H351 / STOT RE 2, H373
67815-87-6		Polymethylenpolyphenylpolyisocyanat, Polymer mit Ethylenediamin, Methyloxiran und Porpan-1,2-diol	20 - 40	
25686-28-6	500-040-3	4,4'-Methylenediphenyl diisocyanate, oligomers	5 - 15	Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Eye Irrit. 2, H319 / Acute Tox. 4, H332 / Resp. Sens. 1, H334 / STOT SE 3, H335 / Carc. 2, H351 / STOT RE 2, H373
32055-14-4	500-079-6	Formaldehyd, Polymer mit Anilin und Carbonyldichlorid	1 - 10	Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / Skin Sens. 1, H317 / Acute Tox. 4, H332 / Resp. Sens. 1, H334 / STOT SE 3, H335 / Carc. 2, H351 / STOT RE 2, H373

REACH

CAS No	Name	REACH registration number
25686-28-6	4,4'-Methylenediphenyl diisocyanate, oligomers	01-2119457013-49-xxxx
32055-14-4	Formaldehyd, Polymer mit Anilin und Carbonyldichlorid	01-2119457024-46-xxxx



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose it safely.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

Seek medical treatment immediately.

In case of respiratory standstill give artificial respiration by respirator and send for a doctor.

In case of skin contact

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

Consult a doctor if skin irritation persists.

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.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

Asthmatic complaints

Allergic symptoms

Nausea

skin irritation

Physician's information / possible dangers

asthmatic symptoms allergic reactions

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.

Symptoms may not occur until several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Danger of bursting

In case of fire formation of dangerous gases possible.

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Hydrogen cyanide (HCN)

Nitrile



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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.

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.

High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

Collect contaminated water / firefighting water separately.

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, sawdust, general-purpose binder). After taking up the material dispose according to regulation. Take up mechanically.

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.

Take the usual precautions when handling with chemicals.

General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

Hygiene measures

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

Prevent penetration into the ground.



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Advice on storage compatibility

Do not store with acids or alkalis.
Do not store together with animal feedstuffs.
Do not store together with food.
Keep away from water.

Further information on storage conditions

Store only in closed original container at cool and aired place.
Protect from frost.
Protect from heat and direct solar radiation.
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

Additional advice

The statutory local and national regulations have to be observed.

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.

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 Colour Odour pasty black characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				



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Temperature	Printed at revision	Method	Remark
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	Value
boiling point	not determined

melting point	not determined
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Flash point	not determined
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Vapourisation rate	not determined
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Flammable (solid)	not determined
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Flammability (gas)	not determined
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Ignition temperature	not determined
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Self ignition temperature	not determined
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Lower explosion limit	not determined
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Upper explosion limit	not determined
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Vapour pressure	not determined	20 °C
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Relative density	1,28 g/cm3	20 °C
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Bulk density	not applicable
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Vapour density	not determined
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Solubility in water		insoluble
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Solubility/other	not determined
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Partition coefficient noctanol/water (log P O/W)	not determined
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Decomposition temperature	not determined
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Viscosity	ca. 60000 mPa*s	thixotropic
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Oxidising properties
no

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 water.
Reactions with alcohols.
Reactions with alkalies, amines and strong acids.

**Easy-Mix PU-90 Adhesive****10.4. Conditions to avoid**

Moisture.

10.5. Incompatible materials**Substances to avoid**

Alkali (lye)

Amines

Acid

Water

10.6. Hazardous decomposition products

Hydrogen cyanide (hydrocyanic acid)

Carbon monoxide and carbon dioxide.

Nitrous oxides (NO_x)

Hydrocarbons

Nitriles

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	> 5000 mg/kg	rat		Information concerns to main component.
LD50 acute dermal	> 2000 mg/kg	rabbit		Informations concern to main component.
LC50 acute inhalation	18,3 mg/l (4 h)		Conversion value for acute toxicity	
Skin irritation	irritant	rabbit		
Eye irritation	strong irritant	rabbit eye		
Skin sensitization	sensitizing			

	Value/Validation	Species	Method	Remark
Sensitization system	sensitizing respiratory			
Subacute Toxicity - Carcinogenicity				
	Value	Species	Method	Validation



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Easy-Mix PU-90 Adhesive**Carcinogenicity**

Indications of possible carcinogenic effects in animal studies are available.

Experiences made from practice

Sensitization through inhalation possible.

Sensitization through skin contact possible.

Allergic reactions possible (analogy-reasons).

Irritates respiratory tract.

Irritates mucous membranes.

Irritates eyes and skin.

Additional information

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

Other hazardous properties may not be excluded.

SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicological effects**

	Value	Species	Method	Validation
Fish	LC0 > 1000 mg/l (96 h)	Brachidanio rerio	OECD 203	Information refers to the main component.
Daphnia	EC50 > 1000 mg/l (24 h)	Daphnia magna	OECD 202	Information refers to the main component.
Algae	EC50 > 1640 mg/l (72 h)	No data available	OECD 201	CAS: 25686-28-6
Bacteria	EC50 > 100 mg/l (3 h)	No data available	OECD 209	CAS: 25686-28-6

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				not degradable

12.3. Bioaccumulative potential

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.

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.

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

Waste code No.	Name of waste
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08 05 01*

waste isocyanates

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.

Recommendations for packaging

Uncontaminated packaging may be reused.

Dispose of according to the local waste regulations.

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 0 %

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.



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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

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|------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties 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). |
| H373 | May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |