

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

Name of product Easy-Mix RK-7200 Adhesive
Code-Nr. 105641

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

2-Component- Structural Adhesive Adhesive 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 |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

| | |
|---------------|-------|
| Flam. Liq. 2 | H225 |
| Skin Corr. 1C | H314 |
| Skin Sens. 1 | H317 |
| Muta. 2 | H341 |
| Carc. 1B | H350 |
| Repr. 1B | H360F |
| STOT SE 3 | H335 |

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

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

| | | |
|-------------------|------|--|
| STOT RE 2 | H373 | |
| Aquatic Chronic 3 | H412 | |

Hazard Statements

| | |
|-------|--------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H360F | May damage fertility. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

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


GHS02



GHS05



GHS07



GHS08

! Signal word

Danger

Hazard Statements

| | |
|-------|--------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |
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| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

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. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P261 | Avoid breathing 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. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/eye protection. |



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 05.08.2019

revision 12.11.2018 (GB) Version 2.0

Easy-Mix RK-7200 Adhesive

| | |
|--------------------|------------------------------------------------------------------------------------------------------------|
| P301 + P330 + P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |
| 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. |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |
| P314 | Get medical advice/attention if you feel unwell. |
| P362 | Take off contaminated clothing. |
| P363 | Wash contaminated clothing before reuse. |
| P370 + P378 | In case of fire: Use foam for extinction. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to hazardous or special waste collection point. |

! Hazardous ingredients for labeling

2-hydroxyethyl methacrylate, 2,3-epoxypropyl methacrylate, cumene hydroperoxide, methyl methacrylate

Special rules for supplemental label elements for certain mixtures

Contains Hydroquinone. May produce an allergic reaction.

2.3. Other hazards

! Information pertaining to special dangers for human and environment

Harmful in contact with skin.

Risk of serious damage to eyes.

May cause cancer.

Danger of serious damage to health by prolonged exposure.

May impair fertility.

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] |
|----------|-----------|------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80-62-6 | 201-297-1 | methyl methacrylate | 30 - 50 | Flam. Liq. 2, H225 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 |
| 123-31-9 | 204-617-8 | hydroquinone | < 1 | Carc. 2, H351 / Muta. 2, H341 / Acute Tox. 4, H302 / Eye Dam. 1, H318 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 M=10 |
| 868-77-9 | 212-782-2 | 2-hydroxyethyl methacrylate | 10 - 30 | Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 |
| 80-15-9 | 201-254-7 | cumene hydroperoxide | 1 < 10 | Org. Perox. E, H242 / Acute Tox. 3, H331 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / STOT RE 2, H373 / Skin Corr. 1B, H314 / Aquatic Chronic 2, H411 |
| 106-91-2 | 203-441-9 | 2,3-epoxypropyl methacrylate | 1 < 10 | Acute Tox. 4, H302 / Acute Tox. 3, H311 / Skin Corr. 1C, H314 / Eye Dam. 1, H318 / STOT SE 3, H335 / Skin Sens. 1, H317 / Muta. 2, H341 / Carc. 1B, H350 / STOT RE 1, H372 / Repr. 1B, H360F |

**REACH**

| CAS No | Name | REACH registration number |
|----------|------------------------------|---------------------------|
| 80-62-6 | methyl methacrylate | 01-2119452498-28 |
| 123-31-9 | hydroquinone | 01-2119524016-51 |
| 868-77-9 | 2-hydroxyethyl methacrylate | 01-2119490169-29 |
| 80-15-9 | cumene hydroperoxide | 01-2119475796-19 |
| 106-91-2 | 2,3-epoxypropyl methacrylate | 01-2119444916-30 |

! 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.

No mouth-to-mouth resuscitation by first aid.

Refer for medical treatment.

! In case of skin contact

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

Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.

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.

Rinse out mouth thoroughly with water.

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

Coughing

vomiting

Respiratory complaints

Allergic symptoms

Skin burns

Confusion

Gastrointestinal complaints

skin irritation

! Physician's information / possible dangers

Risk of respiratory disorders

allergic reactions

Causes serious eye damage.

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**

Fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry powder

Carbon dioxide

Dry sand

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

May lead to formation of explosive/easily ignitable vapour air mixtures.

In case of fire formation of dangerous gases possible.

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3. Advice for firefighters**! Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply (isolated).

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.

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.

Remove persons to safety.

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 seep away runed out product into ground or body 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, 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!

Take the usual precautions when handling with chemicals.

! General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin.

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

Keep away from sources of ignition - No smoking

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

Avoid effect of heat.

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

Store at +5 till +25 °C.

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

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****! Ingredients with occupational exposure limits to be monitored**

| CAS No | Name | Code | [mg/m ³] | [ppm] | Remark |
|----------|--------------|---------|----------------------|-------|-----------|
| 123-31-9 | Hydroquinone | 8 hours | 0.5 | | EH40/2005 |



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Easy-Mix RK-7200 Adhesive**Ingredients with occupational exposure limits to be monitored (continued)**

| CAS No | Name | Code | [mg/m ³] | [ppm] | Remark |
|----------|----------------------|--------------|----------------------|-------|-----------|
| 80-62-6 | Methyl methacrylate | 8 hours | 208 | 50 | EH40/2005 |
| | | Short-term | 416 | 100 | |
| 80-62-6 | Methyl Methacrylate | TWA, 8 hours | 208 | | |
| | | Short-term | 416 | | |
| 123-31-9 | 1,4-dihydroxybenzene | 8 hours | 2 e | | MAK |
| | | Short-term | 2 e | | |

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

| CAS No | Name | Code | [mg/m ³] | [ppm] | Remark |
|---------|---------------------|------------|----------------------|-------|--------|
| 80-62-6 | methyl-methacrylate | 8 hours | | 50 | |
| | | Short-term | | 100 | |

DNEL-/PNEC-values**DNEL worker**

| CAS No | Substance name | Value | Code | Remark |
|----------|-----------------------------|-----------------------|--------------------------------------|--------|
| 80-15-9 | cumene hydroperoxide | 6 mg/m ³ | DNEL long-term inhalative (systemic) | |
| 868-77-9 | 2-hydroxyethyl methacrylate | 4,9 mg/m ³ | DNEL long-term inhalative (systemic) | |
| | | 1,3 mg/kg bw/day | DNEL long-term dermal (systemic) | |

PNEC

| CAS No | Substance name | Value | Code | Remark |
|----------|-----------------------------|------------|-----------------------------------|--------|
| 868-77-9 | 2-hydroxyethyl methacrylate | 3,79 mg/kg | PNEC soil, freshwater | |
| | | 10 mg/l | PNEC sewage treatment plant (STP) | |
| | | 0,482 mg/l | PNEC soil, marine water | |

! Additional advice

The statutory local and national regulations have to be observed.

8.2. Exposure controls**! Respiratory protection**

If ventilation insufficient, wear respiratory protection.

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

Kurzzeitig Filtergerät, Kombinationsfilter A2-P2

! 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.

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

! Eye protection

tightly fitting goggles

protective shield

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**

liquid

Colour

colourless

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|----------------------------------------------------------|---------------------------|-------------|----|--------|-------------------------|
| pH value | not determined | | | | |
| boiling point | > 35 °C | | | | |
| melting point | not determined | | | | |
| Flash point | < 23 °C | | | | |
| Vapourisation rate | not determined | | | | |
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| Ignition temperature | 430 °C | | | | |
| Self ignition temperature | not determined | | | | |
| Lower explosion limit | 2,1 Vol-% | | | | |
| Upper explosion limit | 12,5 Vol-% | | | | |
| Vapour pressure | not determined | | | | |
| Relative density | ca. 1,1 g/cm ³ | 25 °C | | | |
| Vapour density | not determined | | | | |
| Solubility in water | | | | | No or low immiscibility |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity dynamic | 4000 - 6000 | 25 °C | | | |
| Viscosity kinematic | 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

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.

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.

Nitrous oxides (NOx)

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 | 382 mg/kg | rat | | CAS: 80-15-9 |
| LD50 acute dermal | 490 mg/kg | rabbit | | CAS: 106-91-2 |
| LC50 acute inhalation | > 412 ppm (4 h) | | | CAS: 106-91-2 |
| Skin irritation | irritant | | | |
| Eye irritation | corrosive | | | |
| Skin sensitization | sensitizing | | | |

**Subacute Toxicity - Carcinogenicity**

| Value | Species | Method | Validation |
|------------------------------|---------|--------|----------------------------------------------------------------------------------|
| Mutagenicity | | | Information on genotoxicity in vitro available. |
| Reproduction-Toxicity | | | Indications of toxic effects are available from reproduction studies in animals. |
| Carcinogenicity | | | Indications of possible carcinogenic effects in animal studies are available. |

! Specific target organ toxicity (repeated exposure)

May cause damage to organs, if longer exposed.

! Experiences made from practice

May cause cancer.

Harmful to health by prolonged exposure.

Sensitization through skin contact possible.

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.

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

! SECTION 12: Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence and degradability

| Elimination rate | Method of analysis | Method | Validation |
|---------------------------------|--------------------|--------|---------------|
| Biological degradability | | | Biodegradable |

12.3. Bioaccumulative potential

No bioaccumulation

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**

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 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****Recommendations for the product**

Remove in accordance with local official regulations.

! 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

| | ADR/RID | IMDG | IATA-DGR |
|-----------------------------------------|-----------|-----------|-----------|
| 14.1. UN number | 1133 | 1133 | 1133 |
| 14.2. UN proper shipping name | ADHESIVES | ADHESIVES | Adhesives |
| 14.3. Transport hazard class(es) | 3 | 3 | 3 |
| 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) 3

tunnel restriction code D/E

Special provisions 640D

Classification code F1

Transport/further information

Marine pollutant: NO

! 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.

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: 1.8

| | |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H242 | Heating may cause a fire. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| 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. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H341 | Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| H350 | May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| H351 | Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| H360F | May damage fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| H372 | Causes 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). |
| 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). |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |