

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

**Name of product** RK 1300 Adhesive  
Code-Nr. 105601

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

No information available.

**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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Flam. Liq. 2	H225
Skin Corr. 1A	H314
Eye Dam. 1	
Skin Sens. 1	H317
STOT SE 3	H335

**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.

## 2.2. Label elements

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



GHS02



GHS05



GHS07

### 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.

### Precautionary Statements

P102 Keep out of reach of children.  
 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 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/eye 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.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362 Take off contaminated clothing.  
 P370 + P378 In case of fire: Use foam for extinction.  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazardous ingredients for labeling

2,2'-(4-Methylphenyl) imino]bisethanol, methacrylic acid, methyl methacrylate

### 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]
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
90-72-2	202-013-9	2,4,6-tris(dimethylaminomethyl)phenol	>= 0,1 < 1	Acute Tox. 4, H302 / Eye Irrit. 2, H319 / Skin Irrit. 2, H315
79-41-4	201-204-4	methacrylic acid	3 - 7	Acute Tox. 4, H302, H332 / Acute Tox. 3, H311 / Skin Corr. 1A, H314 / Eye Dam. 1, H318 / STOT SE 3, H335
3077-12-1	221-359-1	2,2'-[(4-Methylphenyl) imino]bisethanol	1 - 3	Acute Tox. 4, H302 / Eye Dam. 1, H318

**REACH**

CAS No	Name	REACH registration number
80-62-6	methyl methacrylate	01-2119452498-28
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	01-2119560597-27
79-41-4	methacrylic acid	01-2119463884-26
3077-12-1	2,2'-[(4-Methylphenyl) imino]bisethanol	not subject to registration

**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.

In case of inhalation of fumes symptoms of poisoning may occur after hours, medical treatment is necessary.

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 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**

Shortness of breath

Allergic symptoms

Skin burns

Gastrointestinal complaints

skin irritation

**Physician's information / possible dangers**

Risk of allergic-anaphylactic shock

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)**

If swallowed or in the event of vomiting, risk of entering the lungs.  
Keep under medical supervision for at least 48 hours.  
Symptoms may not occur until several hours.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
Dry sand  
water mist

#### **Unsuitable extinguishing media**

Full water jet

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

Metal oxides  
Danger of bursting  
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**

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.

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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**

Inform pollution control authorities if product gets into the sewerage systems or open waters.  
Do not discharge into the drains/surface waters/groundwater.  
Do not discharge into the subsoil/soil.



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### 6.3. Methods and material for containment and cleaning up

Dilute with plenty of water.

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

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

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep container tightly closed.

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

#### General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

#### Hygiene measures

At work do not eat, drink, smoke or take drugs.

Remove soiled or soaked clothing immediately.

Keep away from food and drink.

Keep away from tobacco.

Wash hands and skin before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Take precautionary measures against static discharges.

Avoid effect of heat.

Use explosion-proof equipment / fittings and non-sparking tools.

### 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 together with food.

Do not store together with oxidizing agents.

Do not store together with reducing agents.

#### Further information on storage conditions

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

Protect from direct solar radiation.

Storage temperature between 2°C to 8°C

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/m3]	[ppm]	Remark
79-41-4	Methacrylic acid	8 hours	72	20	EH40/2005
		Short-term	143	40	
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		
79-41-4	methacrylic acid	8 hours	180	50	MAK
		Short-term	360	100	

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

CAS No	Name	Code	[mg/m3]	[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
763-69-9	Propionsäure-3-ethoxyethylester	4 mg/m3	DNEL long-term inhalative (systemic)	
79-41-4	methacrylic acid	4,25 mg/kg bw/day	DNEL long-term dermal (systemic)	
		29,6 mg/m3	DNEL long-term inhalative (systemic)	
		88 mg/m3	DNEL long-term inhalative (local)	
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
79-41-4	methacrylic acid	0,82 mg/l	PNEC aquatic, marine water	
		0,82 mg/l	PNEC aquatic, freshwater	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	0,2 mg/l	PNEC sewage treatment plant (STP)	
		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**

If ventilation insufficient, wear respiratory protection.

Breathing apparatus in the event of aerosol or mist formation.

Multi-purpose filter ABEK/P3, 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.

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**

liquid

**Colour**

pink

**Odour**

ester-like

**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>	> 100 °C				
<b>melting point</b>	not determined				
<b>Flash point</b>	17 °C			closed cup	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	> 200 °C				estimate
<b>Self ignition temperature</b>	430 °C				
<b>Lower explosion limit</b>	2,1 Vol-%				
<b>Upper explosion limit</b>	12,5 Vol-%				
<b>Vapour pressure</b>	< 38 hPa	20 °C			
<b>Relative density</b>	ca. 1 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	1	20 °C			
<b>Solubility in water</b>	ca. 16 g/l				partially soluble
<b>Solubility/other</b>	not determined				



	Value	Temperature	at	Method	Remark
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	> 200 °C				
<b>Viscosity dynamic</b>	18000-26000 mPa*s	23 °C			
<b>Viscosity kinematic</b>	not determined				
<b>Solvent content</b>	ca. 50 %				

**Oxidising properties**

No information available.

**Explosive properties**

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

**9.2. Other information**

No information available.

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

No hazardous reactions known.

**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 strong oxidising agents.

Reactions with reducing agents, heavy metals.

**10.4. Conditions to avoid**

Keep away from heat.

**10.5. Incompatible materials****Substances to avoid**

Heavy metal chemical salts

Oxidising agent, strong

Reducing agent

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

Nitrous oxides (NOx)

Toxic gases/vapours

Metaloxides

**Thermal decomposition**

Remark No decomposition below 200°C.



## 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			ATE
<b>LD50 acute dermal</b>	> 2000 mg/kg			ATE
<b>LC50 acute inhalation</b>	> 20 mg/l (4 h)			ATE
<b>Skin irritation</b>	corrosive			
<b>Eye irritation</b>	risk of strong eye injuries			
<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.

#### Experiences made from practice

Sensitization through skin contact possible.  
 Causes corrosions.  
 Risk of strong eye injuries.  
 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 > 79 mg/l (96 h)	Fish	Fisch Early-life Stage Toxicity Test	Toxicology test with the product.
<b>Daphnia</b>	EC50 > 69 mg/l (48 h)	Daphnia magna		Toxicology test with the product.



	Value	Species	Method	Validation
<b>Algae</b>	ErC50 45 mg/l (72 h)	Green algae		CAS: 79-41-4
<b>Bacteria</b>	EC50 270 mg/l (17 h)		DIN 38412 T.8	

#### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	< 94 % (14 d) Toxicology test with the product.			readily degradable

#### 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 was derived from products of similar structure or composition.

## 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

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
<b>14.1. UN number</b>	2924	2924	2924



	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.2. UN proper shipping name</b>	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Methylmethacrylate, Methacrylic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Methylmethacrylate, Methacrylic acid)	Flammable liquid, corrosive, n.o.s. (Methylmethacrylate, Methacrylic acid)
<b>14.3. Transport hazard class(es)</b>	3 (8)	3 (8)	3 (8)
<b>14.4. Packing group</b>	II	II	II
<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) 3+8

tunnel restriction code D/E

Special provisions 274

Classification code FC

**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 ca.50 %

**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: 8.7

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H302,	-?-
H332	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.



Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)

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**RK 1300 Adhesive**

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- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.