



1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of product RK 1500 Adhesive (GB)
Code-Nr. 105631

Manufacturer/distributor

WEICON GmbH & Co. KG
Königsberger Straße 255, DE-48157 Münster
Postbox 84 60, DE-48045 Münster
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244
E-Mail : info@weicon.de
Internet : www.weicon.de

Advice

Abteilung Angebote, Verkauf, Export
Phone ++49(0)251 / 9322 - 0

Emergency advice

Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning)
Phone ++49(0)228-19 240

Recommended intended purpose(s)

2-Component- Structural Adhesive Adhesive Component

2. Hazards identification

Classification according to 67/548/EEC or 1999/45/EC

F; R11
C; R34
Xi; R37
R43

R-phrases

11 Highly flammable.
34 Causes burns.
37 Irritating to respiratory system.
43 May cause sensitisation by skin contact.

Labelling according to 67/548/EEC or 1999/45/EC

Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

F Highly flammable
C Corrosive

R-phrases

11 Highly flammable.
34 Causes burns.
37 Irritating to respiratory system.
43 May cause sensitisation by skin contact.

S-phrases

16 Keep away from sources of ignition - No smoking.
2 Keep out of the reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
9 Keep container in a well-ventilated place.

Hazardous ingredients for labeling
methacrylic acid, methyl-methacrylate

3. Composition/information on ingredients

Description

Compound basing on methyl methacrylate and methacrylic acid.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
79-41-4	201-204-4	methacrylic acid	7 - 13	Xn R21/22; C R35
80-62-6	201-297-1	methyl methacrylate	30 - 60	F R11; Xi R37/38; R43
3077-12-1	221-359-1	2,2'-[(4-methylphenyl)imino]bisethanol	1 - 5	Xn R22; Xi R36
52628-03-2	258-053-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	0,5 - 1,5	C R34

4. 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 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.

Give plenty of water to drink in small sips.

Treatment (Advice to doctor)

Dexamehason dosing aerosol spray (e.g. Auxiloson), paraffinum subliquidum

5. Firefighting measures

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Dry sand

Extinguishing media which must not be used for safety reasons

water spray jet

Full water jet

Special hazards arising from the substance or mixture

Dense, black smoke.

Fire gas of organic material has to be classed invariably as respiratory poison.



Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Burns down under strong soot production.

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.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Environmental precautions

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

Do not discharge into the subsoil/soil.

Methods for cleaning up

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

Disposal according to regulations.

Additional Information

Informations for personal protective equipment see chapter 8.

7. Handling and storage

Advice on safe handling

Keep container tightly closed.

Stir and shake well before use.

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

Open and handle container with care!

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Avoid effect of heat.

Requirements for storage rooms and vessels

Keep in closed original container.

Further information on storage conditions

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

Store and transport at 2°C to 8°C (=36°F to 46°F).

Protect from direct solar radiation.

Protect from heat/overheating.

8. Exposure controls/personal protection

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
80-62-6	Methyl methacrylate	8 hours	208	50	EH40/2005
		Short-term	416	100	



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 Short-term		50 100	

Respiratory protection

If ventilation insufficient, wear respiratory protection.
Breathing apparatus

Hand protection

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

safety goggles with side protection

Skin protection

Light protective clothing,
rubber apron

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs.
Wash hands and skin before breaks and after work.

9. Physical and chemical properties

Form	Colour	Odour
viscous	pink	ester-like

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	> 100 °C				
Flash point	> 10 °C				
Ignition temperature	430 °C				from methacrylates
Lower explosion limit	2,1 Vol-%				
Upper explosion limit	12,5 Vol-%				
Vapour pressure	3800 Pa	20 °C			
Density	ca. 1 g/cm ³	20 °C			
Solubility in water	< 16 g/l				
Viscosity dynamic	3000 - 5000 mPa*s	23 °C			



10. Stability and reactivity

Conditions to avoid

Heat.
Light effect.

Materials to avoid

Reactions with heavy metals.
Reactions with oxidising agents.
Reactions with reducing agents.

Hazardous decomposition products

risk of formation of toxic pyrolysis products

Additional information

Danger of bursting of closed systems to vigorous exothermic polymerization. Avoid uncontrolled polymerization.

11. Toxicological information

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat		Calculated out of the components.
LD50 acute dermal	> 5000 mg/kg	rabbit		Informations concern to main component.
LC50 acute inhalation	20 mg/l (4 h)	rat		Informations concern to main component.
Irritability skin	corrosive	rabbit		
Irritability eye	corrosive	rabbit eye		
Skin sensitization	sensitizing	Guinea pig		

Experiences made from practice

Sensitization through skin contact possible.

Additional information

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

12. Ecological information

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	< 94 % The product is readily biodegradable to OECD criteria.			

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 > 79 mg/l (96 h)	trout		
Daphnia	EC50 > 69 g/m3 (48 h)	Daphnia magna		



	Value	Species	Method	Validation
Algae	EC50 > 0,59 mg/l (96 h)	Selenastrum capricornutum		
Bacteria	EC0 100 g/m3	Pseudomonas putida		

General regulation

Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment.

13. Disposal considerations

Waste code No.

08 04 09*

Name of waste

waste adhesives and sealants containing organic solvents or other dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Untampered packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of like the product.

Recommended cleansing agent

Ethylacetate

14. Transport information

Land and inland navigation transport ADR/RID

UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Methylmethacrylat, Methacrylsäure), 3 (8), II, (D/E), Classification code: FC

Marine transport IMDG

UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Methylmethacrylate, Methacrylic acid), 3 (8), II

Air transport ICAO/IATA-DGR

UN 2924 Flammable liquid, corrosive, n.o.s. (Methylmethacrylate, Methacrylic acid), 3 (8), II

Transport/further information

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

15. Regulatory information

VOC standard

VOC content

0 %

16. Other information

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

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.

Listed in: EINECS (EEC) ; TSCA (USA);

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 21/22 Harmful in contact with skin and if swallowed.



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 11.02.2011

Revision 10.02.2011 (GB) Version 6.0

RK 1500 Adhesive (GB)

- R 22 Harmful if swallowed.
- R 34 Causes burns.
- R 35 Causes severe burns.
- R 36 Irritating to eyes.
- R 37/38 Irritating to respiratory system and skin.
- R 43 May cause sensitisation by skin contact.