



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	RK-7000 Adhesive (GB) Code-Nr. 10565-1
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
Xn; R20
C; R34
Xi; R37
R43
R52/53

R-phrases

11 Highly flammable.
20 Harmful by inhalation.
34 Causes burns.
37 Irritating to respiratory system.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
79-41-4	201-204-4	methacrylic acid	< 5	Xn R21/22; C R35
80-62-6	201-297-1	methyl methacrylate	70 - 90	F R11; Xi R37/38; R43
80-15-9	201-254-7	cumene hydroperoxide	< 5	O R7; T R23; Xn R21/22-48/20/22; C R34; N R51-53
98-59-9	202-684-8	tosyl-chloride	< 5	C R34; Xn R21/22



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.

Medical treatment.

If swallowed give water to drink.

Treatment (Advice to doctor)

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Dry sand

water mist

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Risk of formation of toxic pyrolyse products.

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

Cool endangered containers with water spray jet.

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

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).

After taking up the material dispose according to regulation.

Additional Information

Informations for personal protective equipment see chapter 8.



7. HANDLING AND STORAGE

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.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Take precautionary measures against static discharges.

Requirements for storage rooms and vessels

Only use containers that are approved specifically for the substance/product.

Advice on storage compatibility

Do not store with combustible materials.

Further information on storage conditions

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

Store only at temperature of 40°C minimum (=104°F).

Protect from direct solar radiation.

Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design

Sufficient ventilation and exhaustion.

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m ³]	[ppm]	Spitzenb.	Remark
80-62-6	Methyl methacrylate	8 hours	208	50		EH40/2005
		Short-term	416	100		
98-59-9	p-Toluenesulphonyl chloride	8 hours				EH40/2005
		Short-term	5			

Respiratory protection

If ventilation insufficient, wear respiratory protection.

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

tightly fitting goggles

Skin protection

light protective clothing

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.

Remove soiled or soaked clothing immediately.

Wash hands and skin before breaks and after work.



9. PHYSICAL AND CHEMICAL PROPERTIES

Form liquid	Colour various, depending on coloration	Odour pungent
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Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	< 100 °C				
Flash point	10,1 °C				
Lower explosion limit	2,1 Vol-%				
Upper explosion limit	12,5 Vol-%				
Vapour pressure	38,6 kPa	20 °C			
Density	0,94 - 1 g/cm ³	20 °C			
Solubility in water					insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid

Evolution of heat.

Materials to avoid

Reactions with oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide

Toxic gases/vapours

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	corrosive	rabbit		
Irritability eye	corrosive	rabbit eye		
Skin sensitization	sensitizing	Guinea pig		

Experiences made from practice

Long-term skin contact with vapours may cause skin irritation or sensitization.

Additional information

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



12. ECOLOGICAL INFORMATION

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.

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act 8 KrW-/AbfG) stipulates recycling as a requirement.

Recommendations for packaging

Dispose of according to the local waste regulations.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHACRYLSÄURE, METHYLMETHACRYLAT), 3 (8), II, (D/E), Special provisions 640D, Classification code: FC

Marine transport IMDG

UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHACRYLIC ACID, METHYL METHACRYLATE), 3 (8), II

Air transport ICAO/IATA-DGR

UN 2924 Flammable liquid, corrosive, n.o.s. (METHACRYLIC ACID, METHYL METHACRYLATE), 3 (8), II

Transport/further information

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

15. REGULATORY INFORMATION

Remarks for labelling

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

Hazardous ingredients for labeling

cumene hydroperoxide, methacrylic acid, methyl methacrylate

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

F Highly flammable
C Corrosive

R-phrases

11 Highly flammable.
20 Harmful by inhalation.
34 Causes burns.
37 Irritating to respiratory system.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

1/2 Keep locked up and out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe vapour.



26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
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).

VOC standard	
VOC content	1,98 %
VOC value	1,92 g/L

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.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

- R 11 Highly flammable.
- R 21/22 Harmful in contact with skin and if swallowed.
- R 23 Toxic by inhalation.
- R 34 Causes burns.
- R 35 Causes severe burns.
- R 37/38 Irritating to respiratory system and skin.
- R 43 May cause sensitisation by skin contact.
- R 48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 7 May cause fire.