



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

1.1. Product identifier

Name of product GMK 2510 Adhesive
Code-Nr. 162000

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

Uses advised against

Remark

This product is not to be used for carpet laying. This product is not to be used under conditions of poor ventilation.

Recommended intended purpose(s)

Adhesives, sealants (PC1).

1.3. Details of the supplier of the safety data sheet

Distributor

WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster
Postbox 48045, DE-8460 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
E-mail (competent person):
msds@weicon.de

1.4. Emergency telephone number

GIZ Bonn (German, English) Tel: ++49(0)228-19 240
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178
433 7434 (24h Emergency Contact)

Manufacturer

WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster

1.4. Emergency telephone number

Emergency advice

-
Phone -
GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)
Tel: ++49(0)228-19 240
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178
433 7434 (24h Emergency Contact)

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 Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Aquatic Chronic 1	H410	

Hazard Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

Additional hints

This product is not to be used for carpet laying. This product is not to be used under conditions of poor ventilation.

2.2. Label elements

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



GHS02



GHS07



GHS08



GHS09

Signal word

Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

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.
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.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 06.01.2016

revision 07.08.2015 (GB) Version 1.8

GMK 2510 Adhesive

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.
P331	Do NOT induce vomiting.
P337 + P313	If eye irritation persists: Get medical advice/attention.
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.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to hazardous or special waste collection point.

Hazardous ingredients for labeling

cyclohexane, ethyl-acetate

Special rules for supplemental label elements for certain mixtures

Contains Colophony. May produce an allergic reaction.

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

Mixture of solvents

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
110-82-7	203-806-2	cyclohexane	< 40	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
141-78-6	205-500-4	ethyl-acetate	< 40	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
8050-09-7	232-475-7	colophony	0,1 - 1	Skin Sens. 1, H317
1314-13-2	215-222-5	zinc oxide	< 5	Aquatic Acute 1, H400 / Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove moistened clothing immediately.

Take affected person into fresh air.

In case of inhalation

In case of inhalation remove the casualty into fresh air and seek medical advice.

In case of skin contact

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

Consult a doctor if skin irritation persists.



In case of eye contact

In case of contact with eyes rinsing with plenty of lukewarm water carefully and seek for medical treatment.

In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth thoroughly with water.

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

Physician's information / possible symptoms

Unconsciousness

Coughing

Headache

Confusion

Dizziness

Gastrointestinal complaints

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)

If necessary, give oxygen.

Monitor circulation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

ABC powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

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.



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.

6.3. Methods and material for containment and cleaning up

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

After taking up the material dispose according to regulation.

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

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink and smoke.

Keep separated from food and feed.

Wash hands before breaks and after work.

Use barrier skin cream.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Vapours can form an explosive mixture with air.

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.

Do not store with oxidizing agents.

Do not store together with food.

Further information on storage conditions

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

Store only at temperature of 30°C maximum (=86°F).

**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
110-82-7	Cyclohexane	8 hours Short-term	350 1050	1050 300	EH40/2005
141-78-6	Ethyl acetate	8 hours Short-term		200 400	EH40/2005

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
110-82-7	cyclohexane	8 hours	700	200	

Additional advice

The statutory local and national regulations have to be observed.

8.2. Exposure controls**Respiratory protection**

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A

! Hand protection

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

Not suitable: PVC gloves

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: FKM, NBR (Nitrile rubber), >=8 h, 0,35 - 0,4 mm

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

various

Odour

fruity

Odour threshold

No data available

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				



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	Value	Temperature	at	Method	Remark
boiling range	77 - 82 °C				Cyclohexane
melting point	No data available				
Flash point	-11 °C				Cyclohexane
Vapourisation rate					No data available
Flammable (solid)	No data available				
Flammability (gas)	No data available				
Ignition temperature	No data available				
Self ignition temperature	No data available				
Lower explosion limit	1 Vol-%				
Upper explosion limit	12,8 Vol-%				
Vapour pressure	104 hPa	20 °C			Cyclohexane
Relative density	0,88 g/cm ³				Cyclohexane
Bulk density	No data available				
Vapour density	No data available				
Solubility in water					immiscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity dynamic	ca. 1700 mPa*s	20 °C			
Viscosity kinematic	No data available				
Solids content	ca. 20 %				
Oxidising properties	No data available				

**Explosive properties**

No data available

9.2. Other information

Vapours are heavier than air.

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

No data available

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

10.4. Conditions to avoid

In case of temperature increase (heating): explosion risk.

Keep away from heat.

10.5. Incompatible materials**Substances to avoid**

Oxidising agent

10.6. Hazardous decomposition products

Carbon monoxide

Carbon dioxide

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	OECD 401	Cyclohexane
LD50 acute dermal	> 2000 mg/kg	rabbit	OECD 402	Cyclohexane
LC50 acute inhalation	> 32,88 mg/l (4 h)	rat	OECD 403	Cyclohexane
Skin irritation	irritant			
Eye irritation	irritant			
Skin sensitization	non-sensitizing			

Experiences made from practice

Risk of strong health injuries in case of long-term exposition.

May cause drowsiness or dizziness.

Frequent persistent contact with the skin may cause skin irritation.



Additional information

The product is to be handled with the caution usual with chemicals.
Other hazardous properties may not be excluded.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 230 mg/l (96 h)	Pimephales promelas		Ethyl acetate
Daphnia	EC50 717 mg/l (48 h)	Daphnia magna	DIN 38412	Ethyl acetate
Algae	EC50 3300 mg/l (48 h)	Desmodesmus subspicatus.		Ethyl acetate
Bacteria	EC10 2900 mg/l (16 h)	Pseudomonas putida		Ethyl acetate

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	77 % (28 d) Cyclohexane		OECD 301 F	readily degradable
Degradability	100 % (28 d) Ethylacetate		OECD 301 D	Readily biodegradable (to OECD criteria)

12.3. Bioaccumulative potential

No information available.

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

Very toxic 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.

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.

Recommendations for packaging

Dispose of according to the local waste regulations.
Packaging that cannot be cleaned should be disposed of like the product.

**! SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1133	1133	1133
14.2. UN proper shipping name	ADHESIVES (cyclohexane)	ADHESIVES (cyclohexane)	Adhesives (cyclohexane)
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	Yes	Yes	Yes

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

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

! SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard****VOC content** ca.80 %**VOC value** ca.704 g/L**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: 1.7

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.



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- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.