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

### 1.1. Product identifier

**Name of product** WEICONLOCK AN 305-42  
Code-Nr. 305420

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

1-Component Adhesives and Sealants, anaerobic curing

### 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)

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

#### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

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

#### Precautionary Statements

P262 Do not get in eyes, on skin, or on clothing.

### 2.3. Other hazards

**Information pertaining to special dangers for human and environment**

Although this product is not subject to reporting requirements for hazardous products, we recommend compliance with the safety recommendations.

**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**

Anaerobic adhesive / sealant

**! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
80-15-9	201-254-7	cumene hydroperoxide	0,1 < 1	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
79-41-4	201-204-4	methacrylic acid	0,1 < 1	Acute Tox. 4, H302, H332 / Acute Tox. 3, H311 / Skin Corr. 1A, H314 / Eye Dam. 1, H318 / STOT SE 3, H335

**REACH**

CAS No	Name	REACH registration number
80-15-9	cumene hydroperoxide	01-2119475796-19
79-41-4	methacrylic acid	01-2119463884-26

**SECTION 4: First aid measures****4.1. Description of 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.

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

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

skin irritation



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**4.3. Indication of any immediate medical attention and special treatment needed**

No information available.

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**! SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

water mist

**! 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)

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**

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.

Use breathing apparatus if exposed to vapours/dust/aerosol.

**6.2. Environmental precautions**

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, kieselguhr, acid binder, general-purpose binder, sawdust).

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.  
Remove soiled or soaked clothing immediately.  
Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

### 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 animal feedstuffs.  
Do not store together with food.  
Do not store together with metals.

#### ! Further information on storage conditions

Store only at temperature of 30°C maximum (=86°F).  
Protect from heat and direct solar radiation.  
Keep container dry, tightly closed and store at cool and aired 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 <sup>3</sup> ]	[ppm]	Remark
107-21-1	Ethane-1,2-diol: particulate	8 hours	10		EH40/2005
107-21-1	Ethane-1,2-diol: vapour	8 hours	52	20	EH40/2005
		Short-term	104	40	
79-41-4	Methacrylic acid	8 hours	72	20	EH40/2005
		Short-term	143	40	

#### DNEL-/PNEC-values

##### DNEL worker

CAS No	Substance name	Value	Code	Remark
79-41-4	methacrylic acid	4,25 mg/kg bw/day	DNEL long-term dermal (systemic)	
		29,6 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	



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No. 1907/2006 (REACH)

Printed 05.08.2019

revision 24.10.2017 (GB) Version 8.5

**WEICONLOCK AN 305-42****DNEL-/PNEC-values (continued)**

CAS No	Substance name	Value	Code	Remark
		88 mg/m <sup>3</sup>	DNEL long-term inhalative (local)	
80-15-9	cumene hydroperoxide	6 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	

**PNEC**

CAS No	Substance name	Value	Code	Remark
79-41-4	methacrylic acid	0,82 mg/l	PNEC aquatic, freshwater	
		0,82 mg/l	PNEC aquatic, marine water	

**Additional advice**

The statutory local and national regulations have to be observed.

**8.2. Exposure controls****Respiratory protection**

In case of insufficient ventilation or long-term effect use 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]: fluorinated rubber; 0,7mm; 480min; 60min;

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**Appropriate engineering controls**

Sufficient ventilation and exhaustion.

**! SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

liquid

**Colour**

brownish

**Odour**

hardly noticeable

**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>	not determined				
<b>melting point</b>	not determined				
<b>Flash point</b>	> 100 °C				



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	Value	Temperature	at	Method	Remark
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	1,1				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					insoluble
<b>Solubility/other</b>				Organic solvent	soluble
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	ca. 530 mPa*s	25 °C			
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	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 strong acids and alkalies.

Reactions with strong oxidising agents.

Reactions with Metals.

**10.4. Conditions to avoid**

Metal, Metal-Salts

Keep away from heat.

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

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

Reducing agent, strong

Metal, Metal-Salts

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

Toxic gases/vapours

**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
<b>LD50 acute oral</b>	500 mg/kg		CAS: 80-15-9	ATE
<b>LD50 acute dermal</b>	100 mg/kg	rabbit	CAS: 79-41-4	ATE
<b>LC50 acute inhalation</b>	3 mg/l ( )		CAS: 80-15-9	ATE
<b>Skin irritation</b>	low irritant effect - not necessary to label			
<b>Eye irritation</b>	low irritant - no labeling duty			
<b>Skin sensitization</b>	non-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**

Frequent and / or prolonged contact may lead to skin irritation

**! 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 products of similar composition.

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

	Value	Species	Method	Validation
<b>Fish</b>	LC50 3,9 mg/l (96 h)	rainbow trout		CAS: 80-15-9
<b>Daphnia</b>	EC50 > 130 mg/l (48 h)	Daphnia magna		CAS: 79-41-4
<b>Algae</b>	EC50 45 mg/l (72 h)	Selenastrum capricornutum		CAS: 79-41-4
<b>Bacteria</b>	EC50 270 mg/l (17 h)	Pseudomonas putida		CAS: 79-41-4

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	CAS: 80-15-9			Biodegradable

**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**

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

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 10

**Name of waste**

waste adhesives and sealants other than those mentioned in 08 04 09

**Recommendations for the product**

Remove in accordance with local official regulations.

**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>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b>	No information available.		
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	not applicable		
<b>Transport/further information</b>	No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.		

**! SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard**

<b>VOC content</b>	ca.5 %
<b>VOC value</b>	44,5 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: 8.4

H242	Heating may cause a fire.
H302	Harmful if swallowed.
H302,	-?-
H332	Toxic in contact with skin.



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- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- 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).
- H411 Toxic to aquatic life with long lasting effects.