



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 05.08.2019

revision 04.01.2019 (GB) Version 2.1

### WEICONLOCK AN 302-91

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

### 1.1. Product identifier

#### Name of product

WEICONLOCK AN 302-91

Code-Nr. 302910

### 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)

## 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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Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT SE 3	H335

#### Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

## 2.2. Label elements

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



GHS07

### Signal word

Warning

### Hazard Statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

### Precautionary Statements

P102 Keep out of reach of children.  
P261 Avoid breathing vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/eye protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
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.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazardous ingredients for labeling

2-hydroxyethyl methacrylate, 2,2'-ethylenedioxydiethyl dimethacrylate, cumene hydroperoxide, ethylene-dimethacrylate

## 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

Preparation of different active substances

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
97-90-5	202-617-2	ethylene-dimethacrylate	< 1	STOT SE 3, H335 / Skin Sens. 1, H317
868-77-9	212-782-2	2-hydroxyethyl methacrylate	10 - 30	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317



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### Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
80-15-9	201-254-7	cumene hydroperoxide	1 < 2,5	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
109-16-0	203-652-6	2,2'-ethylenedioxydiethyl dimethacrylate	60 - 100	Skin Sens.1 B, H317 / / /

### REACH

CAS No	Name	REACH registration number
97-90-5	ethylene-dimethacrylate	01-2119965172-38-XXXX
868-77-9	2-hydroxyethyl methacrylate	01-2119490169-29
80-15-9	cumene hydroperoxide	01-2119475796-19
109-16-0	2,2'-ethylenedioxydiethyl dimethacrylate	2119969287-21-xxxx

### Additional advice

CAS: 80-15-9: STOT SE3; H335: 1% < C < 10%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

Remove contaminated soaked clothing immediately and dispose it safely.

#### In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

#### 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

After eye contact, rinse opened eye for 15 minutes under running water. Transfer to hospital for specialist examination.

#### 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

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

No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet



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**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**

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**

Do not discharge into the drains/surface waters/groundwater.

**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).

Ventilate area concerned

After taking up the material dispose according to regulation.

**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**

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

Open and handle container with care!

**General protective measures**

Do not inhale vapours.

Avoid contact with eyes and skin

Ensure sufficient ventilation.

**Hygiene measures**

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.



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 together with animal feedstuffs.

Do not store together with food.

Do not store together with oxidizing agents.

Do not store together with reducing agents.

Keep away from water.

**Further information on storage conditions**

Store at +5 till +25 °C.

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

Protect from heat and direct solar radiation.

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**

**DNEL-/PNEC-values**

**DNEL worker**

CAS No	Substance name	Value	Code	Remark
80-15-9	cumene hydroperoxide	6 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
868-77-9	2-hydroxyethyl methacrylate	4,9 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		1,3 mg/kg bw/day	DNEL long-term dermal (systemic)	

**PNEC**

CAS No	Substance name	Value	Code	Remark
868-77-9	2-hydroxyethyl methacrylate	3,79 mg/kg	PNEC soil, freshwater	
		10 mg/l	PNEC sewage treatment plant (STP)	
		0,482 mg/l	PNEC soil, 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.

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.



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.

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**

green

**Odour**

acid

**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 applicable				
<b>melting point</b>	not applicable				
<b>Flash point</b>	> 100 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	> 200 °C				estimate
<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>	ca. 1 g/cm <sup>3</sup>				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					No or low immiscibility



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	Value	Temperature	at	Method	Remark
<b>Solubility/other</b>				Organic solvent	teilweise mischbar
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not applicable				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	ca. 20 mPa*s	23 °C			
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	no				
<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 oxidising agents.

Reactions with reducing agents.

Reactions with Metals.

**10.4. Conditions to avoid**

Metal, Metal-Salts

Keep away from heat.

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

Oxidising agent, strong

Reducing agent, strong

Metal, Metal-Salts

**10.6. Hazardous decomposition products**

Gases/vapours, toxic

Carbon monoxide and carbon dioxide.

**Thermal decomposition**

Remark No decomposition if used as directed.

**Additional information**

Polymerization under development of heat.



## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000			ATE
<b>LD50 acute dermal</b>	> 5000			ATE
<b>LC50 acute inhalation</b>	> 20 ()			ATE
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	irritant			
<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.  
Irritates respiratory tract.  
Irritates mucous membranes.  
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 3,9 mg/l (96 h)	Oncorhynchus mykiss		CAS: 80-15-9
<b>Daphnia</b>	EC50 44,9 mg/l (48 h)	Daphnia magna		CAS: 97-90-5
<b>Algae</b>	NOEC 0,804 mg/l (96 h)	Pseudokirchneriella subcapitata		CAS: 97-90-5





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	Value	Species	Method	Validation
<b>Bacteria</b>	EC50 570 mg/l (180 min)	activated sludge		CAS: 97-90-5

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	84 % (28 d) CAS: 868-77-9			Biodegradable
<b>Degradability</b>	85 % (28 d) CAS: 109-16-0			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**

Do not allow uncontrolled leakage of product into the environment.

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 is given on the basis of details in the literature.

**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>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-



	ADR/RID	IMDG	IATA-DGR
<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

VOC content 0 %

### 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: 2.0

H242	Heating may cause a fire.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.