



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

WEICONLOCK AN 302-70

Material number 302700

Revision date: Nov/5/2015
Version: 1
Language: en-US
Date of print: Nov/6/2015

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1. Product and company identification

Product identifier

Trade name: WEICONLOCK AN 302-70

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

General use: Anaerobic adhesives and sealants, threadlockers

Details of the supplier of the safety data sheet

Company name: Weicon GmbH & Co. KG
Street/POB-No.: Königsberger Str. 255
Postal Code, city: 48157 Münster
Germany
WWW: www.weicon.de
E-mail: info@weicon.de
Telephone: +49 (0)251- 93 22-0
Telefax: +49 (0)251- 93 22-244
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

GIZ, Bonn (Germany)
Telephone: +49(0)228 / 19 240

2. Hazards identification

Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: liquid
Form: liquid
Color: green
Odor: weak
Classification: Skin Irritation - Category 2; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Specific Target Organ Toxicity (Single Exposure) - Category 3;
Hazard symbols:



Signal word: **Warning**
Hazard statements: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.



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Precautionary statements: Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see 'First aid' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing.
Take off contaminated clothing.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	10 - 30 %	Eye Irritation - Category 2A. Sensitization - skin - Category 1.
CAS 868-77-9	2-Hydroxyethyl methacrylate	5 - 10 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1.
CAS 80-15-9	Cumene hydroperoxide	1 - 5 %	Organic Peroxide - Category E. Acute Toxicity - oral - Category 4. Acute Toxicity - dermal - Category 4. Acute Toxicity - inhalative - Category 3. Skin Corrosion - Category 1B. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aquatic toxicity - chronic - Category 2.

4. First aid measures

General information: First aider: Pay attention to self-protection!

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing.
If breathing has stopped, give artificial respiration immediately. Seek medical attention.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. If product comes into contact with lips, hold mouth open. Do not allow lips to contact one another.
Change contaminated clothing. Seek medical attention. Do not peel solidified product off the skin.



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After eye contact: Keep eye wide open. Subsequently seek the immediate attention of an ophthalmologist. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Do not attempt to pull apart bonded eyelid.

After swallowing: Never give anything by mouth to an unconscious person. Immediately get medical attention. Do not induce vomiting. Give water to drink in small sips.

Most important symptoms/effects, acute and delayed

May cause respiratory irritation.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 100 °C

Auto-ignition temperature: no data available

Suitable extinguishing media:

dry chemical powder, Sand, alcohol resistant foam, carbon dioxide, water fog.

Extinguishing media which must not be used for safety reasons:

full water jet

Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.
carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

6. Accidental release measures

Personal precautions:

Avoid contact with skin, eyes, and clothing.
Do not breathe vapor or spray. Provide adequate ventilation.
Wear protective equipment. Keep unprotected people away.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.

Methods for clean-up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Keep away from sources of ignition.

7. Handling and storage

Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed.
Do not breathe vapor. Wear protective equipment.
Avoid contact with skin, eyes, and clothing.

Precautions against fire and explosion:

Keep away from sources of ignition. - No smoking.



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Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.
Protect from moisture contamination. Protect from frost, heat and sunlight.
Storage temperature: 5 °C - 25 °C

Hints on joint storage:

Do not store together with: Oxidizing agents, reducing agent, metals, metal salts
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Use only explosion-proof equipment.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection	Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
Skin protection	Wear suitable protective clothing. Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: Fluororubber (Viton). Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Respiratory protection:	When vapors form, use respiratory protection. Wear a dust mask, in case of excessive dust. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.
General hygiene considerations:	Change contaminated clothing. Avoid contact with the substance. Eye wash facility must be provided. Wash hands before breaks and after work. When using do not eat, drink or smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Form: liquid Color: green
Odor:	weak
Odor threshold:	no data available
pH value:	no data available
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point/flash point range:	> 100 °C
Evaporation rate:	no data available
Flammability:	no data available
Explosion limits:	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Density:	at 20 °C: approx. 1.1 g/mL
Solubility:	in acetone: partially miscible
Water solubility:	insoluble



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Partition coefficient: n-octanol/water: no data available
Auto-ignition temperature: no data available
Thermal decomposition: no data available
Viscosity, dynamic: approx. 550 mPa*s

10. Stability and reactivity

Reactivity: refer to 10.3
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Reacts with: oxidizing agents, reducing agent, Metals, metal salts
Conditions to avoid: Protect from moisture contamination. Avoid open flames.
Protect from frost, heat and sunlight.
Incompatible materials: Do not store together with: Oxidizing agents, reducing agent, metals, metal salts
Hazardous decomposition products: Toxic gases/vapours, carbon monoxide and carbon dioxide.
Thermal decomposition: no data available

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
Acute toxicity (oral): Based on available data, the classification criteria are not met.
Acute toxicity (dermal): Based on available data, the classification criteria are not met.
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.
Eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.
Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.
Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
Effects on or via lactation: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause respiratory irritation.
Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms

shortage of breath, headache, nausea, vomiting.



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12. Ecological information

Ecotoxicity

Further details: no data available

Mobility in soil

no data available

Persistence and degradability

Further details: no data available

Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not controlled under DOT

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: No

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.



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15. Regulatory information

U.S. Federal Regulations

Methacrylic acid, monoester with propane-1,2-diol: TSCA: listed
TSCA Inventory: listed
TSCA HPVC: not listed

2-Hydroxyethyl methacrylate: TSCA Inventory: listed
TSCA HPVC: not listed

Cumene hydroperoxide: TSCA Inventory: listed
TSCA HPVC: not listed
Clean Air Act:
SOCMI Chemical: yes
Other Environmental Laws:
CERCLA: RQ 10 lbs.
RCRA Hazardous Wastes: Code U096
SARA Title III Section 313, Toxic Release: Conc. 1.0% /
Threshold Standard
OSHA Process Safety Management: Threshold 5000 lbs.

U.S. State Regulations

California Proposition 65: Not listed.

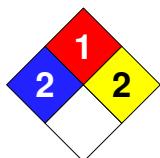
National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains 10 - 30 % Methacrylic acid, monoester with propane-1,2-diol, 5 - 10 %
2-Hydroxyethyl methacrylate, 1 - 5 % Cumene hydroperoxide. Safety data sheet available
on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)
Fire: 1 (Slight)
Reactivity: 2 (Moderate)

HMIS Version III Rating:

Health: 2 (Moderate)
Flammability: 1 (Slight)
Physical Hazard: 2 (Moderate)
Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	2
	X

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Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.



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