



SAFETY DATA SHEET

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

Revision date: Apr/6/2018

Version: 5

Language: en-US

Date of print: Apr/24/2018

WEICONLOCK AN 305-86

Material number 305860

Page: 1 of 9

1. Product and company identification

Product identifier

Trade name: WEICONLOCK AN 305-86

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

General use: One-component adhesive and sealing agent, anaerobic curing.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: WEICON Inc.
Street/POB-No.: 20 Steckle Place, Unit 20
Postal Code, city: Kitchener, Ontario N2E 2C3, CA
WWW: www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – USA (24h): Tel: +1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: +1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Form: viscous

Color: red

Odor: weak

Classification: Skin Irritation - Category 2; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Specific Target Organ Toxicity (Single Exposure) - Category 3; Specific Target Organ Toxicity (Repeated Exposure) - Category 2;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.



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Precautionary statements: Do not breathe dust/fume/gas/mist/vapors/spray.
 Avoid breathing vapors.
 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.
 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 eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 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

Special danger of slipping by leaking/spilling product.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Mixture of the substances listed below with non-hazardous additions

Relevant 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 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1.
CAS 67762-90-7	Siloxanes and Silicones, di-Methyl, reaction products with silica	1 - 5 %	not applicable
CAS 81-07-2	1,2-Benzisothiazol-3 (2H)-one 1,1-dioxide	1 - 5 %	not applicable
CAS 80-15-9	Cumene hydroperoxide	< 2.5 %	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.



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4. First aid measures

- General information: If medical advice is needed, have product container or label at hand. First aider: Pay attention to self-protection!
- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical attention.
- Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.

Most important symptoms/effects, acute and delayed

May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation.
Causes serious eye irritation. Causes skin irritation.
May cause an allergic skin reaction.

Information to physician

Treat symptomatically.

5. Fire fighting measures

- Flash point/flash point range: > 212 °F
- Auto-ignition temperature: not determined
- Suitable extinguishing media: Water spray jet, dry chemical powder, sand, foam, carbon dioxide.
- 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.
In case of fire may be liberated: Furthermore, there may develop: Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing. In case of fire and/or explosion do not breathe fumes.

Additional information:

Cool endangered containers with water jetspray.
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 appropriate protective equipment. Keep unprotected people away.
Keep away from sources of ignition. Take off contaminated clothing and wash it before reuse.
- Environmental precautions: Do not allow to enter into ground-water, surface water or drains.



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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: Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapor or spray. Wear appropriate protective equipment. Avoid contact with skin, eyes, and clothing. When using do not eat, drink or smoke. Wash hands before breaks and after work. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:
Keep away from sources of ignition - No smoking.

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. Keep only in original container.
Storage temperature: 41 °F up to 77 °F

Hints on joint storage: Do not store together with strong oxidizing agents, reducing agents, metals or 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) - Layer thickness: 0.7 mm
Breakthrough time: \geq 480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: When vapors form, use respiratory protection.
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:
Avoid contact with skin, eyes, and clothing. Wash hands before breaks and after work.
When using do not eat, drink or smoke. Do not breathe vapor or spray. Work place should be equipped with a shower and an eye rinsing apparatus.



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Form: viscous Color: red
Odor:	weak
Odor threshold:	not determined
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	> 212 °F
Evaporation rate:	not determined
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	not determined
Vapor density:	not determined
Density:	1.1 g/mL
Solubility:	in acetone: soluble
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No data available
Viscosity, dynamic:	approx. 6500 mPa*s
Ignition temperature:	not determined

10. Stability and reactivity

Reactivity:	Refer to subsection "Possibility of hazardous reactions".
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reacts with strong oxidizing agents, reducing agents, metals.
Conditions to avoid:	Protect from moisture contamination. Avoid open flames. Protect from frost, heat and sunlight.
Incompatible materials:	Strong oxidizing agents, reducing agent, metals, metal salts.
Hazardous decomposition products:	Toxic gases/vapours, carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available



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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): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.
Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause respiratory irritation.
Specific target organ toxicity (repeated exposure): Specific Target Organ Toxicity (Repeated Exposure) - Category 2 = May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard: Lack of data.

Other information: Information about Cumene hydroperoxide:
LD50 Rat, oral: 500 mg/kg
LD50 Rabbit, dermal: 1100 mg/kg
LC50 Rat, inhalative: 3 mg/L/4h
Information about 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide:
IARC-Classification code: group 3
OSHA - Carcinogen: not listed ingredient
NTP - classification: not listed ingredient

Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Information about Cumene hydroperoxide:
Fish toxicity:
LC50 Oncorhynchus mykiss: 3.9 mg/L/96h
Information about Methacrylic acid, monoester with propane-1,2-diol:
Algae toxicity:
NOEC Pseudokirchneriella subcapitata (green algae): 97.2 mg/L/72h

Mobility in soil

No data available



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Persistence and degradability

Further details: Biodegradability:
Information about Cumene hydroperoxide:
90-100%/10d
Readily biodegradable

Additional ecological information

Volatile organic compounds (VOC):
15.5 g/L = < 3%
General information: Do not allow to enter into ground-water, surface water or drains.
Do not allow uncontrolled discharge of product into the environment.

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 restricted

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

National regulations - U.S. Federal Regulations

Methacrylic acid, monoester with propane-1,2-diol:

TSCA Inventory: listed
TSCA HPVC: not listed
TSCA: listed

2-Hydroxyethyl methacrylate:

TSCA Inventory: listed
TSCA HPVC: not listed

Siloxanes and Silicones, di-Methyl, reaction products with silica:

TSCA Inventory: listed; UVCB; EPA flags XU
TSCA HPVC: not listed

1,2-Benzisothiazol-3(2H)-one 1,1-dioxide:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Other Environmental Laws:
CERCLA: RQ 100 lbs.
RCRA Hazardous Wastes: Code U202
SARA Title III Section 313, Toxic Release: Conc. 0.1% / Threshold Standard

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.

National regulations - U.S. State Regulations

California Proposition 65: Not listed.

National regulations - Great Britain

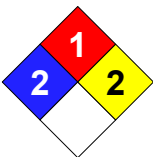
Hazchem-Code: -

16. Other information

Text for labeling:

Contains 10 - 30 % Methacrylic acid, monoester with propane-1,2-diol, < 5 % 2-Hydroxyethyl methacrylate, 1 - 5 % Siloxanes and Silicones, di-Methyl, reaction products with silica, 1 - 5 % 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, < 2.5 % 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) - Chronic effects
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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Reason of change: Changes in section 2: classification
General revision

Date of first version: Dec/9/2015

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.