



# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 5/Aug/2016

Version: 2

Language: en-CA,US

Date of print: 11/Aug/2016

## WEICONLOCK AN 306-03

Material number 306030

Page: 1 of 9

### 1. Product and company identification

#### Product identifier

Trade name: WEICONLOCK AN 306-03

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

General use: One-component adhesive, anaerobic curing  
Restricted to professional users.

#### 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 – Canada (24h): Tel: ++1 866 928 0789 (Toll free)**

**Transport:**

**TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: ++1 866 928 0789 (Toll free)**

### 2. Hazards identification

#### Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Color: green  
Odor: acidic  
Classification: Skin Irritation 2; Eye Irritation 2A; Sensitization - skin 1;  
Specific Target Organ Toxicity (Single Exposure) 3; Aquatic toxicity - chronic 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.  
Harmful to aquatic life with long lasting effects.



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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.  
 Avoid release to the environment.  
 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 eye irritation persists: Get medical advice/attention.  
 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

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 868-77-9	2-Hydroxyethyl methacrylate	10 - 30 %	Skin Irritation 2. Eye Irritation 2A. Sensitization - skin 1.
CAS 7534-94-3	Isobornyl methacrylate	< 20 %	Skin Irritation 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3. Aquatic toxicity - chronic 2.
CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	1 - 5 %	Eye Irritation 2A. Sensitization - skin 1.
CAS 79-10-7	Acrylic acid	< 3 %	Flammable Liquid 3. Acute Toxicity 4 (oral). Acute Toxicity 4 (dermal). Acute Toxicity 4 (inhalative). Skin Corrosion 1A. Aquatic toxicity - acute 1.
CAS 80-15-9	Cumene hydroperoxide	< 3 %	Organic Peroxide E. Acute Toxicity 4 (oral). Acute Toxicity 4 (dermal). Acute Toxicity 3 (inhalative). Skin Corrosion 1B. Specific Target Organ Toxicity (Repeated Exposure) 2. Aquatic toxicity - chronic 2.



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### 4. First aid measures

- General information: First aider: Pay attention to self-protection! Take off immediately all contaminated clothing.
- 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. Take off contaminated clothing and wash it before reuse. Seek medical attention. Do not peel solidified product off the skin.
- After eye contact: Keep eye wide open. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek the attention of an ophthalmologist immediately. 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 and effects, both acute and delayed

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

#### 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: Extinguishing powder, sand, 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. Cool exposed containers with water spray.

### 6. Accidental release measures

- Personal precautions: Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Do not breathe vapor or spray. Provide adequate ventilation. Wear appropriate 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.



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## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.  
Do not breathe vapor. Wear appropriate protective equipment.  
Avoid contact with skin, eyes, and clothing.  
Take off contaminated clothing and wash it before reuse.

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. Storage temperature: 5 °C up to 25 °C. Keep only in the original container.

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

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
79-10-7	Acrylic acid	Canada, Alberta: OEL 8 hour Canada, BC: OEL TWA Canada, Québec: VEMP USA: NIOSH: TWA	5.9 mg/m <sup>3</sup> ; 2 ppm 2 ppm (May be absorbed through the skin.) 5.9 mg/m <sup>3</sup> ; 2 ppm 6 mg/m <sup>3</sup> ; 2 ppm (May be absorbed through the skin.)

### Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained 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: >480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

General hygiene considerations:  
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. Take off contaminated clothing and wash it before reuse.



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## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Color: green
Odor:	acidic
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: 1.1 g/mL
Solubility:	in acetone: partially miscible
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	approx. 150 mPa*s

## 10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reacts with: oxidizing agents, reducing agent, metals
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



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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 2 = Causes skin irritation.

Eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin 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) 3 = May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

### General remarks

For carcinogenic effects:  
Information about Acrylic acid  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed.

## 12. Ecological information

### Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.  
The product has not been tested. The statement is derived from the properties of the single components.

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

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.



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### 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

### Canada: Transportation of Dangerous Goods (TDG)

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.

## 15. Regulatory information

### National regulations - Canada

No data available



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### National regulations - U.S. Federal Regulations

2-Hydroxyethyl methacrylate:

TSCA Inventory: listed  
TSCA HPVC: not listed

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

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

Acrylic acid:

TSCA Inventory: listed  
TSCA HPVC: not listed  
Carcinogen Status:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed

Clean Air Act:

Hazardous Air Pollutants: Code XOY  
SOCMI Chemical: yes

Other Environmental Laws:

CERCLA: RQ 5000 lbs.

RCRA Hazardous Wastes: Code U008

SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold 5

NIOSH Recommendations:

Occupational Health Guideline: 0013

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 5

OSHA Process Safety Management: Threshold 5000 lbs.





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### National regulations - U.S. State Regulations

Acrylic acid:

California Proposition 65 code: -  
 Delaware Air Quality Management List:  
 DRQ: 5000 - RQ State: Federal Regulations Apply  
 Idaho Air Pollutant List:  
 Title 585: AAC: 1.5 - EL: 2 - OEL: 30 - Title 586: -  
 Maine Hazardous Air Pollutants:  
 HAP: 200 lbs.  
 Massachusetts Haz. Substance codes: 4,5,6 F8 F9  
 Minnesota Haz. Substance:  
 Codes: A - Ratings: 11.74 - Status: Air Pollutant Title III. TRI.  
 New Jersey RTK Hazardous Substance:  
 DOT: 2218 - Sub No.: 0023 - TPQ: -  
 New York List of Hazardous Substances:  
 RQ-Air: 5000 - RQ-Land: 10 - Note: No Note Associated with this  
 Pennsylvania Haz. Substance code: E  
 Washington Air Contaminant:  
 TWA: 10 ppm - 30 mg  
 Skin: Protective measures should be taken to prevent or reduce skin absorption.

Cumene hydroperoxide:

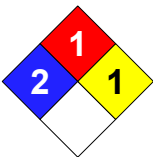
California Proposition 65 code: -  
 Delaware Air Quality Management List:  
 DRQ: 10 - RQ State: Federal Regulations Apply  
 Massachusetts Haz. Substance codes: 5,6 F8 F9  
 New Jersey Extraordinarily Hazardous Substances:  
 NJ Threshold: 2500 - NJ Group: I - NJ Table: I Part D - NJ Basis: I  
 New Jersey RTK Hazardous Substance:  
 DOT: 2116 - Sub No.: 0543 - TPQ: -  
 New York List of Hazardous Substances:  
 RQ-Air: 10 - RQ-Land: 10 - Note: No Note Associated with this ch  
 Pennsylvania Haz. Substance code: E

## 16. Other information

Text for labeling:

Contains 10 - 30 % 2-Hydroxyethyl methacrylate, < 20 % Isobornyl methacrylate, 1 - 5 % Methacrylic acid, monoester with propane-1,2-diol, < 3 % Acrylic acid, < 3 % Cumene hydroperoxide. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:  
 Health: 2 (Moderate)  
 Fire: 1 (Slight)  
 Reactivity: 1 (Slight)  
 HMIS Version III Rating:  
 Health: 2 (Moderate)  
 Flammability: 1 (Slight)  
 Physical Hazard: 1 (Slight)  
 Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
	X

Reason of change:

Changes in section 1: General revision

Date of first version:

28/Jan/2016

### 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.