



# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

## WEICONLOCK AN 301-38

Material number 301380

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### 1. Product and company identification

#### Product identifier

Trade name: WEICONLOCK AN 301-38

#### 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  
Color: green  
Odor: characteristic  
Classification: Skin Corrosion - Category 1A; Sensitization - skin - Category 1;  
Specific Target Organ Toxicity (Single Exposure) - Category 3;  
Specific Target Organ Toxicity (Repeated Exposure) - Category 2;

Hazard symbols:



Signal word:

**Danger**

Hazard statements:

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



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Precautionary statements: Keep out of reach of children.  
Do not breathe 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 SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
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.  
Immediately call a POISON CENTER/doctor.  
Specific treatment (see ' First aid ' on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing 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

May be harmful if swallowed. Special danger of slipping by leaking/spilling product.  
see section 11: Toxicological information



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### 3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	25 - 100 %	Eye Irritation - Category 2A. Sensitization - skin - Category 1.
CAS 2530-83-8	[3-(2,3-Epoxypropoxy)propyl]-trimethoxysilane	1 - 10 %	Eye Damage - Category 1.
CAS 79-10-7	Acrylic acid	1 - 5 %	Flammable Liquid - Category 3. Acute Toxicity - oral - Category 4. Acute Toxicity - dermal - Category 4. Acute Toxicity - inhalative - Category 4. Skin Corrosion - Category 1A. Aquatic toxicity - acute - Category 1.
CAS 80-15-9	Cumene hydroperoxide	< 3 %	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.
CAS 114-83-0	Acetylphenylhydrazine	< 2.5 %	Acute Toxicity - oral - Category 3.
CAS 79-41-4	Methacrylic acid	< 1 %	Acute Toxicity - oral - Category 4. Acute Toxicity - dermal - Category 3. Acute Toxicity - inhalative - Category 4. Skin Corrosion - Category 1A. Specific Target Organ Toxicity (Single Exposure) - Category 3.

### 4. First aid measures

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. Change contaminated clothing. Do not peel solidified product off the skin. Seek medical attention.
After eye contact:	Keep eye wide open. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Do not attempt to pull apart bonded eyelid. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing:	Never give anything by mouth to an unconscious person. Seek medical attention. Do not induce vomiting. Give water to drink in small sips.

#### Most important symptoms/effects, acute and delayed

Causes severe skin burns and eye damage. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. May cause respiratory irritation.

May cause an allergic skin reaction.

#### Information to physician

Treat symptomatically.



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### 5. Fire fighting measures

Flash point/flash point range:

> 212 °F

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Water fog, dry chemical powder, sand, alcohol resistant 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: Carbon black, traces of incompletely burned carbon compounds, aromatic hydrocarbons, 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 appropriate protective equipment. Keep unprotected people away.  
Keep away from sources of ignition.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies 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:

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. Wear appropriate protective equipment.  
Avoid contact with skin, eyes, and clothing.

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.

Hints on joint storage:

Do not store together with: Oxidizing agents, reducing agents, metal salts, peroxides.  
Keep away from food, drink and animal feedingstuffs.  
Do not store together with combustible materials or highly flammable solids.



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## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
79-10-7	Acrylic acid	USA: NIOSH: TWA	6 mg/m <sup>3</sup> ; 2 ppm (May be absorbed through the skin.)
79-41-4	Methacrylic acid	USA: ACGIH: TWA	70 mg/m <sup>3</sup> ; 20 ppm
		USA: NIOSH: TWA	70 mg/m <sup>3</sup> ; 20 ppm (May be absorbed through the skin.)

### 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: Nitrile rubber, Fluororubber (Viton), Butyl caoutchouc (butyl rubber) -  
Layer thickness: 0.7 mm  
Breakthrough time: >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. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

**General hygiene considerations:**  
Take off immediately all contaminated clothing and wash it before reuse. 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 68 °F and 101.3 kPa: liquid  
  Color: green

**Odor:**                                characteristic

**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



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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
Water solubility:	at 68 °F: practically insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No data available
Viscosity, dynamic:	at 77 °F: 2000 - 3000 mPa*s (Brookfield (3/20))
Explosive properties:	Product is not explosive.

### 10. Stability and reactivity

Reactivity:	Reacts with: Oxidizing agents, reducing agents, metal salts, peroxides.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Protect from moisture contamination. Avoid open flames. Protect from frost, heat and sunlight.
Incompatible materials:	Oxidizing agents, reducing agent, metal salts, peroxides.
Hazardous decomposition products:	May form dangerous gases and vapours in case of fire. In case of fire may be liberated: Carbon black, traces of incompletely burned carbon compounds, aromatic hydrocarbons, 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): Based on available data, the classification criteria are not met.  
ATEmix (calculated):  $2000 < ATE \leq 5000$  mg/kg.  
Acute toxicity (dermal): Based on available data, the classification criteria are not met.  
ATEmix (calculated):  $> 2000$  mg/kg.  
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.  
ATEmix (calculated):  $> 20$  mg/L.  
Skin corrosion/irritation, eye damage/irritation: Skin Corrosion - Category 1A = Causes severe skin burns and eye damage.  
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 Acrylic acid:  
LD50, Rabbit, dermal: 997,5 mg/kg (OECD 402)  
Information about Cumene hydroperoxide:  
LD50 Rat, oral: 382 mg/kg (OECD 401)  
LC50 Rat, inhalative, vapor: 1,37 mg/L (OECD 403)  
Information about [3-(2,3-Epoxypropoxy)propyl]-trimethoxysilane:  
LD50 Rat, oral: 8025 mg/kg (OECD 401) LD50, Rabbit, dermal: 4250 mg/kg (OECD 402)  
LC50 Rat, inhalative, vapor:  $> 5,3$  mg/L (OECD 403)  
Information about Acetylphenylhydrazine:  
LD50 Rat, oral: 270 mg/kg (OECD 401)  
For carcinogenic effects:  
Information about Acrylic acid:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed

### 12. Ecological information

#### Ecotoxicity

Further details: No data available

#### Mobility in soil

No data available



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### 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: This material and its container must be disposed of as hazardous waste. 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)

Identification number: UN1760  
Proper shipping name: UN 1760, corrosive liquids, n.o.s.  
(Acrylic acid; Cumene hydroperoxide)  
Hazard class or Division: 8  
Packing Group: II  
Labels: 8  
Symbols: G  
Special provisions: B2, IB2, T11, TP2, TP27  
Packaging – Exceptions: 154  
Packaging – Non-bulk: 202  
Packaging – Bulk: 242  
Quantity limitations – Passenger aircraft / rail: 1 L  
Quantity limitations – Cargo only: 30 L  
Vessel stowage – Location: B  
Vessel stowage – Other: 40







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### Sea transport (IMDG)

UN number: UN 1760  
Proper shipping name: UN 1760, CORROSIVE LIQUID, N.O.S.  
(Acrylic acid; Cumene hydroperoxide)  
Class or division, Subsidiary risk: Class 8, Subrisk-  
Packing Group: II  
EmS: F-A, S-B  
Special provisions: 274  
Limited quantities: 1 L  
Excepted quantities: E2  
Contaminated packaging - Instructions: P001  
Contaminated packaging - Provisions: -  
IBC - Instructions: IBC02  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T11  
Tank instructions - Provisions: TP2, TP27  
Stowage and handling: Category B. SW2  
Properties and observations: Causes burns to skin, eyes and mucous membranes.  
Marine pollutant: no  
Segregation group: none

### Air transport (IATA)

UN/ID number: UN 1760  
Proper shipping name: UN 1760, CORROSIVE LIQUID, N.O.S.  
(Acrylic acid; Cumene hydroperoxide)  
Class or division, Subsidiary risk: Class 8  
Packing Group: II  
Hazard label: Corrosive  
Excepted Quantity Code: E2  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y840 - Max. Net Qty/Pkg. 0.5 L  
Passenger and Cargo Aircraft: Pack.Instr. 851 - Max. Net Qty/Pkg. 1 L  
Cargo Aircraft only: Pack.Instr. 855 - Max. Net Qty/Pkg. 30 L  
Special provisions: A3 A803  
Emergency Response Guide-Code (ERG): 8L



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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
[3-(2,3-Epoxypropoxy)propyl]-trimethoxysilane:	TSCA Inventory: listed; EPA flags T TSCA HPVC: not 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 Standard 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 Standard OSHA Process Safety Management: Threshold 5000 lbs.
Acetylphenylhydrazine:	TSCA Inventory: listed TSCA HPVC: not listed TSCA: listed
Methacrylic acid:	TSCA: listed Clean Air Act: SOCMI Chemical: yes NIOSH Recommendations: Occupational Health Guideline: 0386*

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

California Proposition 65: Not listed.

#### National regulations - Great Britain

Hazchem-Code: 2X

### 16. Other information

Text for labeling: Contains 25 - 100 % Methacrylic acid, monoester with propane-1,2-diol, 1 - 10 % [3-(2,3-Epoxypropoxy)propyl]-trimethoxysilane, 1 - 5 % Acrylic acid, < 3 % Cumene hydroperoxide, < 2.5 % Acetylphenylhydrazine, < 1 % Methacrylic acid. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)

Fire: 1 (Slight)

Reactivity: 2 (Moderate)

HMIS Version III Rating:

Health: 3 (Serious) - Chronic effects

Flammability: 1 (Slight)

Physical Hazard: 2 (Moderate)

Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		2
		X

Reason of change:

Changes in section 1: General revision

Date of first version:

Jan/19/2016

### 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.