1. Product and company identification

Product identifier

Trade name: WEICONLOCK AN 305-18

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 – 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
Form: viscous
Color: red

Odor: slightly perceptible

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

Precautionary statements: Do not breathe 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 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

May be harmful if swallowed. Special danger of slipping by leaking/spilling product.
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 10595-06-9	2-Phenoxyethyl methacrylate	10 - 30 %	not applicable
CAS 79-10-7	Acrylic acid	1 - 5 %	Flammable Liquid 3. Acute Toxicity 4 (oral). Acute Toxicity 4 (dermal). Acute Toxicity 4 (inhalative). Skin Corrosion 1A. Aquatic toxicity - acute 1.
CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	1 - 5 %	Eye Irritation 2A. Sensitization - skin 1.
CAS 81-07-2	1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	1 - 5 %	not applicable
CAS 67762-90-7	Siloxanes and Silicones, di-Methyl, reaction products with silica	1 - 5 %	not applicable
CAS 80-15-9	Cumene hydroperoxide	< 5 %	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.

4. First aid measures

General information: Take off immediately all contaminated or soaked clothing.

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. Do not induce vomiting. Give water to drink in small sips. Seek medical attention.

Most important symptoms and effects, both acute and delayed

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

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:
> 100 °C

Auto-ignition temperature: not determined

Suitable extinguishing media:
Water fog, extinguishing 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, 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.
Wear respiratory protection when in the presence of vapor, dust, and aerosols.

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. Keep unprotected people away.

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

Hints on joint storage: Do not store together with: Oxidizing agents, reducing agents, 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/m³; 2 ppm 2 ppm (May be absorbed through the skin.) 5.9 mg/m³; 2 ppm 6 mg/m³; 2 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: 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.

General hygiene considerations:

Take off immediately all contaminated or soaked 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: viscous Color: red
Odor:	slightly perceptible
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:	> 100 °C
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:	at 20 °C: practically insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No data available
Viscosity, dynamic:	450000 mPa*s (thixotrop)
Explosive properties:	Product is not explosive.
Ignition temperature:	not determined

10. Stability and reactivity

Reactivity: Reacts with: Oxidizing agents, reducing agents, metals.

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, metals, metal salts.

Hazardous decomposition products:
Toxic gases/vapours, traces of incompletely burned carbon compounds, 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.
ATEmix (calculated): > 2000 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: 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): Specific Target Organ Toxicity (Repeated Exposure) 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)

For carcinogenic effects:
Information about Acrylic acid, 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide:
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

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):
approx. 5 % by weight = 2 g/L

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 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

National regulations - U.S. Federal Regulations

2-Hydroxyethyl methacrylate:	TSCA Inventory: listed 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 XOV 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
Methacrylic acid, monoester with propane-1,2-diol:	TSCA Inventory: listed TSCA HPVC: not listed TSCA: 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
Siloxanes and Silicones, di-Methyl, reaction products with silica:	TSCA Inventory: listed; UVCB; EPA flags XU 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.

National regulations - U.S. State Regulations

California Proposition 65: Not listed.

16. Other information

Text for labeling: Contains 10 - 30 % 2-Hydroxyethyl methacrylate, 10 - 30 % 2-Phenoxyethyl methacrylate, 1 - 5 % Acrylic acid, 1 - 5 % Methacrylic acid, monoester with propane-1,2-diol, 1 - 5 % 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, 1 - 5 % Siloxanes and Silicones, di-Methyl, reaction products with silica, < 5 % Cumene hydroperoxide. Safety data sheet available on request.

Hazard rating systems:

NFPA Hazard Rating:
Health: 3 (Serious)
Fire: 1 (Slight)
Reactivity: 1 (Slight)
HMIS Version III Rating:
Health: 3 (Serious) - Chronic effects
Flammability: 1 (Slight)
Physical Hazard: 1 (Slight)
Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		1
		X

Reason of change: Changes in section 1: General revision
Date of first version: 26/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.