



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 305-18

Material number 305180

Page: 1 of 10

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 – 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: slightly perceptible
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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Language: en-US

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WEICONLOCK AN 305-18

Material number 305180

Page: 2 of 10

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



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WEICONLOCK AN 305-18

Material number 305180

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 3 of 10

3. Composition / Information on ingredients

Relevant ingredients:

| CAS No. | Designation | Content | Classification |
|----------------|---|-----------|--|
| CAS 868-77-9 | 2-Hydroxyethyl methacrylate | 10 - 30 % | Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. |
| CAS 10595-06-9 | 2-Phenoxyethyl methacrylate | 10 - 30 % | not applicable |
| 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 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | 1 - 5 % | Eye Irritation - Category 2A. Sensitization - skin - Category 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 - 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: | 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/effects, 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.



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WEICONLOCK AN 305-18

Material number 305180

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 4 of 10

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 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, 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: 41 °F up to 77 °F

Hints on joint storage:

Do not store together with: Oxidizing agents, reducing agents, metals, metal salts.

Keep away from food, drink and animal feedingstuffs.



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WEICONLOCK AN 305-18

Material number 305180

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 5 of 10

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 ³ ; 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 68 °F 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: | > 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 |



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Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

WEICONLOCK AN 305-18

Material number 305180

Page: 6 of 10

| | |
|---|---------------------------------|
| Solubility: | in acetone: soluble |
| Water solubility: | at 68 °F: 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 |



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Revision date: Aug/5/2016
Version: 2
Language: en-US
Date of print: Aug/11/2016

WEICONLOCK AN 305-18

Material number 305180

Page: 7 of 10

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 - Category 2 = Causes skin irritation.
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 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.



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Date of print: Aug/11/2016

WEICONLOCK AN 305-18

Material number 305180

Page: 8 of 10

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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WEICONLOCK AN 305-18

Material number 305180

Page: 9 of 10

15. Regulatory information

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 XO
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.

National regulations - Great Britain

Hazchem-Code: -



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WEICONLOCK AN 305-18

Material number 305180

Page: 10 of 10

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:

Jan/26/2016

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.