



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 6/Apr/2018

Version: 2

Language: en-CA,US

Date of print: 24/Apr/2018

WEICONLOCK AN 305-42

Material number 305420

Page: 1 of 9

1. Product and company identification

Product identifier

Trade name: WEICONLOCK AN 305-42

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: brownish
Odor: weak
Classification: This material is classified as not hazardous.

Precautionary statements: Do not get in eyes, on skin, or on clothing.

Regulatory status

This material is not 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.
In case of prolonged or frequent exposure skin and eye irritation may occur.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Anaerobic sealants and adhesives



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Relevant ingredients:

CAS No.	Designation	Content	Classification
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 79-41-4	Methacrylic acid	< 1 %	Acute Toxicity 4 (oral). Acute Toxicity 3 (dermal). Acute Toxicity 4 (inhalative). Skin Corrosion 1A. Eye Damage 1. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 80-15-9	Cumene hydroperoxide	< 1 %	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

- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. In the events of symptoms take medical treatment.
- 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. Seek medical attention.

Most important symptoms and effects, both acute and delayed

No data available

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 100 °C

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Water mist, extinguishing powder, 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.

Furthermore, there may develop: Carbon monoxide and carbon dioxide.



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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: You have to dispose of contaminated extinguishing water according to the regulations of the authorities.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

- Personal precautions: Avoid contact with skin, eyes, and clothing.
Do not breathe vapor or spray. Do not breathe dust. Provide adequate ventilation. Wear appropriate protective equipment.
Keep away from sources of ignition. Take off contaminated clothing and wash it before reuse. Keep unprotected people away.
- 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 or spray. Avoid contact with skin, eyes, and clothing.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Take off contaminated clothing and wash it before reuse.
Wear appropriate protective equipment. When handling large quantities, supply emergency spray.
- Precautions against fire and explosion: Keep away from sources of ignition - No smoking.

Storage

- Requirements for storerooms and containers: Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight. Storage temperature: < 30 °C.
Store containers in upright position.
- Hints on joint storage: Do not store together with strong oxidizing agents, strong reducing agents, strong acids or strong alkalis.
Do not store together with metals or metal salts.
Keep away from food, drink and animal feedingstuffs.



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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
79-41-4	Methacrylic acid	Canada, Alberta: OEL 8 hour	70 mg/m ³ ; 20 ppm
		Canada, BC: OEL TWA	20 ppm
		Canada, Québec: VEMP	70 mg/m ³ ; 20 ppm
		USA: ACGIH: TWA	70 mg/m ³ ; 20 ppm
		USA: NIOSH: TWA	70 mg/m ³ ; 20 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.

General hygiene considerations:
Do not breathe vapor or spray. Avoid contact with skin, eyes, and clothing.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Take off contaminated clothing and wash it before reuse.
When handling large quantities, supply emergency spray.

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: brownish
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:	> 100 °C
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
Solubility:	soluble (organic solvents)
Water solubility:	at 20 °C: insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No data available
Viscosity, dynamic:	at 25 °C: approx. 530 mPa*s
Oxidizing characteristics:	not oxidising
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, strong reducing agents, strong acids, strong alkalis, metals and metal salts.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect against direct sunlight.
Incompatible materials:	Strong oxidizing agents, strong reducing agents, strong acids, strong alkalis, metals and 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): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 5000 mg/kg.
Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 5000 mg/kg.
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 20 mg/L. (vapor)
Skin corrosion/irritation: Lack of data.
Minor irritation effect - does not require labeling.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Minor irritation effect - does not require labeling.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Based on available data, the classification criteria are not met.
May cause sensitisation especially in sensitive humans.
Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information: Information about Cumene hydroperoxide:
LD50 Rat, oral: 500 mg/kg
LC50 Rat, inhalative: 3 mg/L/4h
Information about Methacrylic acid:
LD50 Rat, oral: 1320 mg/kg
LD50 Rabbit, dermal: 1000 mg/kg
LC50 Rat, inhalative: 7.1 mg/L/4h
For carcinogenic effects:
Information about 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

Symptoms

In case of prolonged or frequent exposure skin and eye irritation may occur.

General remarks

Further hazardous properties cannot be excluded.
The statement is derived from products of similar composition.



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12. Ecological information

Ecotoxicity

Aquatic toxicity: Information about Cumene hydroperoxide:
Fish toxicity:
LC50 Oncorhynchus mykiss: 3.9 mg/L/96h
Information about Methacrylic acid:
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): > 130 mg/L/48h
Algae toxicity:
EC50 Selenastrum capricornutum: 45 mg/L/72h
Bacterial toxicity:
EC50 Pseudomonas putida: 270 mg/L/17h

Mobility in soil

No data available

Persistence and degradability

Further details: Biodegradability
Information about Cumene hydroperoxide
Easily bio-degradable
Information about Methacrylic acid:
86%/28d
Easily bio-degradable

Additional ecological information

Volatile organic compounds (VOC):
approx. 5 % by weight = 44.5 g/L
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

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



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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

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

Methacrylic acid:

TSCA Inventory: listed
TSCA HPVC: not listed
Clean Air Act:
SOCMI Chemical: yes
NIOSH Recommendations:
Occupational Health Guideline: 0386*

Cumene hydroperoxide:

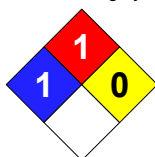
TSCA Inventory: listed
TSCA HPVC: not listed
Clean Air Act:
SOCMI Chemical: yes
Other Environmental Laws:
CERCLA: RQ 10 lbs.
RCRA Hazardous Wastes: Code U096
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
OSHA Process Safety Management: Threshold 5000 lbs.

National regulations - U.S. State Regulations

California Proposition 65: Not listed.

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X



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Reason of change: Changes in section 2: classification
Changes in section 3: Composition / information on ingredients
Changes in section 15: Regulatory information
General revision

Date of first version: 17/Jul/2017

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.