



# 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 301-43

Material number 301430

Page: 1 of 8

### 1. Product and company identification

#### Product identifier

Trade name: WEICONLOCK AN 301-43

#### 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: blue  
Odor: characteristic  
Classification: Specific Target Organ Toxicity (Single Exposure) - Category 3;  
Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word:

**Warning**

Hazard statements:

May cause respiratory irritation.  
Harmful to aquatic life with long lasting effects.

Precautionary statements:

Avoid breathing vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor if you feel unwell.  
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.



# SAFETY DATA SHEET

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

## WEICONLOCK AN 301-43

Material number 301430

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 2 of 8

### Hazards not otherwise classified

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 80-15-9	Cumene hydroperoxide	0.3 - 1 %	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 128-37-0	3,5-Di-tert-butyl-4-hydroxytoluene	0.3 - 1 %	Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 1.
CAS 98-82-8	Cumene	0.1 - 0.3 %	Flammable Liquid - Category 3. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - chronic - Category 2.

## 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

May cause respiratory irritation.  
Repeated exposure may cause skin dryness or cracking.

### Information to physician

Treat symptomatically.

## 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



# SAFETY DATA SHEET

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

## WEICONLOCK AN 301-43

Material number 301430

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 3 of 8

### Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.  
In case of fire may be liberated: Nitrogen oxides (NOx), 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.  
Keep only in the original container.

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.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
128-37-0	3,5-Di-tert-butyl-4-hydroxytoluene	USA: NIOSH: TWA	10 mg/m <sup>3</sup>
98-82-8	Cumene	USA: ACGIH: TWA	246 mg/m <sup>3</sup> ; 50 ppm
		USA: NIOSH: TWA	245 mg/m <sup>3</sup> ; 50 ppm (May be absorbed through the skin.)
		USA: OSHA: TWA	245 mg/m <sup>3</sup> ; 50 ppm (May be absorbed through the skin.)



# SAFETY DATA SHEET

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

## WEICONLOCK AN 301-43

Material number 301430

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 4 of 8

### 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 - Layer thickness: 0.4 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: blue
- 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
- Explosion limits:**                LEL (Lower Explosion Limit): not determined  
UEL (Upper Explosive Limit): not determined
- Vapor pressure:**                 not determined
- Vapor density:**                 not determined
- Density:**                         at 77 °F: 1.12 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: 1500 - 3000 mPa\*s (Brookfield (3/20))
- Explosive properties:**            Product is not explosive.



# SAFETY DATA SHEET

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

## WEICONLOCK AN 301-43

Material number 301430

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 5 of 8

### 10. Stability and reactivity

- Reactivity: No data available
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions  
Reacts with: Metal salts.
- Conditions to avoid: Protect from moisture contamination. Avoid open flames.  
Protect from frost, heat and sunlight.
- Incompatible materials: Metal salts.
- Hazardous decomposition products:  
May form dangerous gases and vapours in case of fire.  
In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), 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): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- 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): Lack of data.
- Aspiration hazard: Lack of data.
- Other information: Information about Cumene:  
LD50 Rat, oral: 382 mg/kg (OECD 401)  
LC50 Rat, inhalative, vapor: 1,37 mg/L (OECD 403)  
LD50 Rat, dermal: 500 mg/kg
- For carcinogenic effects:  
Information about 3,5-Di-tert-butyl-4-hydroxytoluene:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed



# 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 301-43

Material number 301430

Page: 6 of 8

## 12. Ecological information

### Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.  
Information about Cumene hydroperoxide:  
Algae toxicity:  
EC50 *Desmodesmus subspicatus* (green algae) 2.6 mg/L/72 h.

Further details: Information about Cumene:  
Biodegradation:  
2-7 %/28 d (OECD 301B).  
Product is not readily biodegradable.

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.  
Danger to drinking water if even small quantities leak into the ground.

## 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)

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.



# SAFETY DATA SHEET

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

## WEICONLOCK AN 301-43

Material number 301430

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 7 of 8

### 15. Regulatory information

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

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.

3,5-Di-tert-butyl-4-hydroxytoluene: TSCA Inventory: listed  
TSCA HPVC: not listed  
Carcinogen Status:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed  
NIOSH Recommendations:  
Occupational Health Guideline: 0246

Cumene: TSCA Inventory: listed  
TSCA HPVC: not listed  
Clean Air Act:  
Hazardous Air Pollutants: Code XOY  
SOCMI Chemical: yes  
Other Environmental Laws:  
CERCLA: RQ 5000 lbs.  
RCRA Hazardous Wastes: Code U055  
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard  
NIOSH Recommendations:  
Occupational Health Guideline: 0159\*

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

California Proposition 65: Not listed.

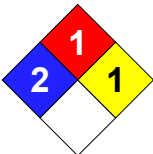
#### National regulations - Great Britain

Hazchem-Code: -

### 16. Other information

Text for labeling: Contains 0.3 - 1 % Cumene hydroperoxide, 0.3 - 1 % 3,5-Di-tert-butyl-4-hydroxytoluene, 0.1 - 0.3 % Cumene. 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: Jan/22/2016



# SAFETY DATA SHEET

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

## WEICONLOCK AN 301-43

Material number 301430

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

Page: 8 of 8

### 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.