

# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016



## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page: 1 of 8

### 1. Product and company identification

#### Product identifier

Trade name: Flex 310 M Crystal, Adhesive and Sealant, transparent

#### Relevant identified uses of the substance or mixture and uses advised against

General use: One-component adhesive and sealing agent, elastic  
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: solid  
Form: pasty  
Color: colorless, clear  
Odor: characteristic  
Classification: Sensitization - skin - Category 1;

Hazard symbols:



Signal word:

**Warning**

Hazard statements: May cause an allergic skin reaction.

Precautionary statements: Avoid breathing vapors/spray.  
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.  
Specific treatment (see on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page:

2 of 8

### Hazards not otherwise classified

With exposure to water, product will release methanol.

Methanol: Toxic by inhalation, in contact with skin and if swallowed.

see section 11: Toxicological information

### 3. Composition / Information on ingredients

Chemical characterization: Mixture of the substances listed below with non-hazardous additions.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	< 1 %	Sensitization - skin - Category 1. Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 1.
CAS 1760-24-3	N-(3-(Trimethoxysilyl)propyl)ethylenediamine	< 1 %	Eye Damage - Category 1. Sensitization - skin - Category 1.

Additional information: After contact with water: formation of methanol.  
The maximum workplace exposure limits are, where necessary, listed in section 8.

### 4. First aid measures

General information: Take off immediately all contaminated clothing and wash it before reuse.

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. In the event of discomfort seek medical treatment.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Immediately get medical attention.

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

May cause an allergic skin reaction.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

> 212 °F

Auto-ignition temperature: not determined

Suitable extinguishing media:

Alcohol resistant foam, dry chemical powder, water fog, 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.

Nitrous fumes, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.



# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page: 3 of 8

Additional information: You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

### 6. Accidental release measures

- Personal precautions: Provide adequate ventilation. Do not breathe gas/vapor/spray.  
Avoid contact with skin and eyes. Wear appropriate protective equipment.  
Take off immediately all contaminated clothing and wash it before reuse.
- Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.
- Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.
- Additional information: During hydrolysis, a small amount of methanol is produced.

### 7. Handling and storage

#### Handling

- Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.  
Do not breathe gas/vapor/spray. Wear appropriate protective equipment.  
Avoid contact with skin and eyes.  
Take off immediately all contaminated clothing and wash it before reuse.

#### Storage

- Requirements for storerooms and containers: Keep container tightly closed in a cool, well-ventilated place. Keep only in original packaging.  
Protect from moisture contamination. Protect from frost, heat and sunlight.
- Hints on joint storage: Do not store together with acids and strong oxidizing agents.  
Keep away from food, drink and animal feedingstuffs.
- Further details: During hydrolysis, a small amount of methanol is produced.  
Do not allow the product to enter the ground.

### 8. Exposure controls / personal protection

#### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-56-1	Methanol	USA: ACGIH: STEL	328 mg/m <sup>3</sup> ; 250 ppm (May be absorbed through the skin.)
		USA: ACGIH: TWA	262 mg/m <sup>3</sup> ; 200 ppm (May be absorbed through the skin.)
		USA: NIOSH: STEL	325 mg/m <sup>3</sup> ; 250 ppm (May be absorbed through the skin.)
		USA: NIOSH: TWA	260 mg/m <sup>3</sup> ; 200 ppm (May be absorbed through the skin.)
		USA: OSHA: TWA	260 mg/m <sup>3</sup> ; 200 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-56-1	Methanol	USA: ACGIH-BEI, urine	15 mg/L	Methanol	end of exposure or end of shift



# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page: 4 of 8

### Engineering controls

Provide adequate ventilation, and local exhaust as needed.

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: 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: 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 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: solid  
Form: pasty  
Color: colorless, clear

Odor: characteristic

Odor threshold: No data available

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: No data available

Flammability: not determined

Explosion limits: LEL (Lower Explosion Limit): 0.10 Vol-%

UEL (Upper Explosive Limit): 0.20 Vol-%

Vapor pressure: not determined

Vapor density: not determined

Density: at 68 °F: approx. 1.01 g/cm<sup>3</sup>

Water solubility: insoluble

Partition coefficient: n-octanol/water: not determined

Auto-ignition temperature: not determined

Thermal decomposition: No data available

Viscosity, kinematic: not determined

Ignition temperature: 788 °F



# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

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: Acids, strong oxidizing agents. Contact with water liberates methanol.
Conditions to avoid:	Protect from moisture contamination. Protect from frost, heat and sunlight.
Incompatible materials:	Strong oxidizing agents, acids, water.
Hazardous decomposition products:	In case of fire may be liberated: Nitrous fumes, carbon monoxide and carbon dioxide. During hydrolysis, a small amount of methanol is produced.
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. Acute toxicity (dermal): Based on available data, the classification criteria are not met. Acute toxicity (inhalative): Based on available data, the classification criteria are not met. Skin corrosion/irritation: Based on available data, the classification criteria are not met. Eye damage/irritation: Based on available data, the classification criteria are not met. Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met. Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction. 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: Based on available data, the classification criteria are not met. Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met. Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met. Aspiration hazard: Based on available data, the classification criteria are not met.
Other information:	Further hazardous properties cannot be excluded.

#### Symptoms

After contact with skin:  
Frequently or prolonged contact with skin may cause dermal irritation.

#### General remarks

Handle in accordance with good industrial hygiene and safety practice.

# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016



## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page:

6 of 8

### 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

General information: Do not allow to enter into ground-water, surface water or drains.

### 13. Disposal considerations

#### Product

Recommendation: Dispose of as hazardous waste. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016



## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page: 7 of 8

### 15. Regulatory information

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

Product: TSCA Inventory: not listed  
Methanol: Clean Air Act:  
Hazardous Air Pollutants: Code XOV  
SOCMI Chemical: yes  
Other Environmental Laws:  
CERCLA: RQ 5000 lbs.  
RCRA Hazardous Wastes: Code U154  
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard  
NIOSH Recommendations:  
Occupational Health Guideline: 0397

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

Methanol: California Proposition 65 code: -  
Delaware Air Quality Management List:  
DRQ: 5000 - RQ State: Federal Regulations Apply  
Idaho Air Pollutant List:  
Title 585: AAC: 13 - EL: 17,3 - OEL: 260 - Title 586: -  
Main Hazardous Air Pollutants:  
Me 2005: HAP - Hap Rpt: 2000  
Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9  
Minnesota Haz. Substance:  
Codes: ANO - Ratings: 7,5 - Status: Air Pollutant Title III. TRI.  
New Jersey RTK Hazardous Substance:  
DOT: 1230 - Sub No.: 1222 - TPQ: -  
New York List of Hazardous Substances:  
RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.  
Pennsylvania Haz. Substance code: E  
Washington Air Contaminant:  
TWA: 200 ppm - 260 mg - STEL: 250 ppm - 325 mg  
Skin: Protective measures should be taken to prevent or reduce skin absorption.  
California Proposition 65: developmental  
Rhode Island HSL: listed

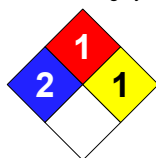
#### National regulations - Great Britain

Hazchem-Code: -

### 16. Other information

Text for labeling: Contains < 1 % Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, < 1 % N-(3-(Trimethoxysilyl)propyl)ethylenediamine. 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



# SAFETY DATA SHEET

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

Revision date: Aug/5/2016

Version: 3

Language: en-US

Date of print: Aug/11/2016

## Flex 310 M Crystal, Adhesive and Sealant, transparent

Material number 133080

Page: 8 of 8

Reason of change: Changes in section 1: General revision

Date of first version: Nov/23/2015

### 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.