



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 17/Mar/2016

Version: 2

Language: en-CA,US

Date of print: 21/Mar/2016

Flex 310 M Crystal, Adhesive and Sealant, transparent

Article number 133080

Page:

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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

Additional information: WEICON GmbH & Co. KG
Königsberger Straße 255
Münster 48157
www.weicon.de
info@weicon.de
+49(0)251 / 9322 - 0
+49(0)251 / 9322 - 244

Emergency phone number

GIZ, Bonn Germany (English)
Telephone: +49(0)228 / 19 240
Transport:
Consultank Lutz Harder GmbH
Telephone: +49 (0)178 433 7434 (24h Emergency Contact)

2. Hazards identification

Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: solid
Form: pasty
Color: colorless, clear

Odor: characteristic

Classification: Sensitization - skin 1;

Hazard symbols:



Signal word:

Warning

Hazard statements: May cause an allergic skin reaction.



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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.

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

Hazardous ingredients:

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

May cause an allergic skin reaction.

Information to physician

Treat symptomatically.



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5. Fire fighting measures

Flash point/flash point range:

> 100 °C

Auto-ignition temperature: not determined

Suitable extinguishing media:

Alcohol resistant foam, extinguishing 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.

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 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 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 container.

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.

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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-56-1	Methanol	Canada, Alberta: OEL 15 min	328 mg/m ³ ; 250 ppm
		Canada, Alberta: OEL 8 hour	262 mg/m ³ ; 200 ppm
		Canada, BC: OEL STEL	250 ppm (May be absorbed through the skin.)
		Canada, BC: OEL TWA	200 ppm (May be absorbed through the skin.)
		Canada, Québec: VECD	328 mg/m ³ ; 250 ppm (May be absorbed through the skin.)
		Canada, Québec: VEMP	262 mg/m ³ ; 200 ppm (May be absorbed through the skin.)
		USA: ACGIH: STEL	328 mg/m ³ ; 250 ppm (May be absorbed through the skin.)
		USA: ACGIH: TWA	262 mg/m ³ ; 200 ppm (May be absorbed through the skin.)
		USA: NIOSH: STEL	325 mg/m ³ ; 250 ppm (May be absorbed through the skin.)
USA: NIOSH: TWA	260 mg/m ³ ; 200 ppm (May be absorbed through the skin.)		
USA: OSHA: TWA	260 mg/m ³ ; 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

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.



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C 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:	> 100 °C
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 20 °C: approx. 1.01 g/cm ³
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:	420 °C

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



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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.
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 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.

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.



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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

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

Product: TSCA Inventory: not listed

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)

TSCA Inventory: listed

TSCA HPVC: not listed

sebacate:

N-(3-(Trimethoxysilyl)propyl)-
ethylenediamine:

TSCA Inventory: listed

TSCA HPVC: not listed

Methanol:

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 U154

SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

NIOSH Recommendations:

Occupational Health Guideline: 0397



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National regulations - U.S. State Regulations

Methanol:

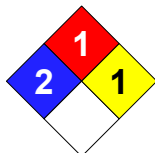
California Proposition 65 code: -
Delaware Air Quality Management List:
DRQ: 5000 - RQ State: Federal Regulations Apply
Idaho Air Pollutant List:
Title 585: AAC: 13 - EL: 17,3 - OEL: 260 - Title 586: -
Main Hazardous Air Pollutants:
Me 2005: HAP - Hap Rpt: 2000
Massachusetts Haz. Substance codes: 2,4,5,6 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

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

Reason of change:

Changes in section 2: labeling

Changes in section 3: Change of composition

Date of first version:

23/Nov/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.