



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 Classic, Adhesive and Sealant

Material number 133030

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1. Product and company identification

Product identifier

Trade name: Flex 310 M Classic, Adhesive and Sealant

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

General use: Sealant

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: paste

Color: white

Odor: characteristic

Classification: Sensitization - skin - Category 1;

Hazard symbols:



Signal word:

Warning

Hazard statements: May cause an allergic skin reaction.

Precautionary statements: Do not breathe vapors/dust/ aerosols.

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 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

see section 11: Toxicological information



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3. Composition / Information on ingredients

Chemical characterization: Mixture of the substance mentioned below with non-hazardous additions

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 1760-24-3	N-(3-(Trimethoxysilyl)propyl) ethylenediamine	< 1 %	Eye Damage - Category 1. Sensitization - skin - Category 1.

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. In case of skin irritation, consult a physician. Take off immediately all contaminated clothing and wash it before reuse.

After eye contact: Keep eye wide open. Subsequently seek the immediate attention of an ophthalmologist. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Do not attempt to pull apart bonded eyelid.

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. In case of fire may be liberated: Nitrous fumes.

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 vapors/dust/ aerosols. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

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.



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

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.

Hints on joint storage: Do not store together with acids/alkalies and oxidation agents.
Keep away from food, drink and animal feedingstuffs.

Further details: 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 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 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: Nitrile rubber - Layer thickness: 0.4 mm
Breakthrough time: 60 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.



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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: paste
Color: white

Odor: characteristic
Odor threshold: No data available

pH value: not determined

Melting point/freezing point: No data available
Initial boiling point and boiling range: not applicable
Flash point/flash point range: > 212 °F
Evaporation rate: No data available
Flammability: No data available
Explosion limits: No data available
Vapor pressure: at 68 °F: ≤ 100 hPa
Vapor density: No data available
Density: at 68 °F: approx. 1.44 g/cm³
Water solubility: insoluble
Partition coefficient: n-octanol/water: not determined

Auto-ignition temperature: not determined
Thermal decomposition: No data available

Additional information: No data available

10. Stability and reactivity

Reactivity: No information available.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions
Reacts with: Acids.
Contact with water liberates methanol.

Conditions to avoid: Protect from moisture contamination.
Protect from frost, heat and sunlight.

Incompatible materials: Oxidizing agents, acids, water.

Hazardous decomposition products:
May form dangerous gases and vapours in case of fire. In case of fire may be liberated: Nitrous fumes.

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 -
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.

Symptoms

Handle in accordance with good industrial hygiene and safety practice. Further hazardous properties cannot be excluded.

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

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 waste according to applicable legislation.



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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.

15. Regulatory information

National regulations - U.S. Federal Regulations

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 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 Stand

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

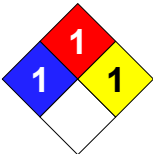
National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains < 1 % N-(3-(Trimethoxysilyl)propyl)ethylenediamine. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:
 Health: 1 (Slight)
 Fire: 1 (Slight)
 Reactivity: 1 (Slight)
 HMIS Version III Rating:
 Health: 1 (Slight)
 Flammability: 1 (Slight)
 Physical Hazard: 1 (Slight)
 Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
	X

Reason of change: Changes in section 1: General revision

Date of first version: Aug/10/2015

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.