

1. Product and company identification

Product identifier

Trade name: Flex+bond Presspack (grey, white, black)

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 – 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: Form: Aerosol
Color: varying, depends on colouring
Odor: characteristic
Classification: Compressed Gas; Sensitization - skin 1;
Hazard symbols:



Signal word: **Warning**
Hazard statements: Contains gas under pressure; may explode if heated.
May cause an allergic skin reaction.

Precautionary statements: Avoid breathing dust/fume/gas/mist/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 'First aid' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Protect from sunlight. Store in a well-ventilated place.
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.



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Hazards not otherwise classified

Higher doses may have a narcotic effect.

Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion.

Potentially explosive mixtures may form if adequate ventilation is not provided.

With exposure to moisture, product will release methanol.

Information about methanol: Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled.

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: 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 1. Sensitization - skin 1. |
| CAS 811-97-2 | 1,1,1,2-TETRAFLUOROETHANE | < 10 % | Liquefied Gas. |

Additional information: With exposure to moisture, product will release methanol. The maximum workplace exposure limits are, where necessary, listed in section 8.

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 and effects, both acute and delayed

May cause an allergic skin reaction.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 100 °C (active agent)

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



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Specific hazards arising from the chemical

Contains gas under pressure; may explode if heated. Danger of formation of toxic pyrolysis products.

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

In case of fire and/or explosion do not breathe fumes. Cool exposed containers with water spray. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Do not breathe gas/vapor/spray. Avoid contact with the substance.

Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment.

Keep unprotected people away.

Environmental precautions:

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

In case of release, notify competent authorities. Danger of explosion!

Methods for clean-up:

Take up with non-flammable, liquid binding material (e.g. sand/earth/diatomaceous earth/vermiculit) and perform disposal according to instructions.

7. Handling and storage

Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed.

Do not breathe gas/vapor/spray. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment.

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

Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

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.



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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 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: 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. 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.



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9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|--|
| Appearance: | Form: Aerosol Color: varying, depends on colouring |
| 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: | > 100 °C (active agent) |
| Evaporation rate: | No data available |
| Flammability: | not determined |
| Explosion limits: | LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined |
| Vapor pressure: | not determined |
| Vapor density: | No data available |
| Density: | at 20 °C: approx. 1.44 g/cm ³ (active agent) |
| Water solubility: | insoluble |
| Partition coefficient: n-octanol/water: | not determined |
| Auto-ignition temperature: | not determined |
| Thermal decomposition: | No data available |
| Explosive properties: | Product is not explosive. Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion. |
| Ignition temperature: | not determined |

10. Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity: | Contains gas under pressure; may explode if heated. |
| Chemical stability: | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | Contact with water liberates methanol. |
| Conditions to avoid: | Protect from direct exposure to sunlight and temperatures exceeding 50 °C. |
| Incompatible materials: | Strong oxidizing agents, strong acids, strong alkalis, water. |
| Hazardous decomposition products: | May form dangerous gases and vapours in case of fire. In case of fire may be liberated: Nitrogen oxides (NO _x), 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): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Minor irritation effect - does not require labeling.
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: Sensitization - skin 1 = May cause an allergic skin reaction.
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): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information: Hazardous properties cannot be excluded.

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.
After eye contact: May cause irritations.

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

Volatile organic compounds (VOC):

0 % by weight

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



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13. Disposal considerations

Product

Recommendation: Do not pierce or burn, even after use.
Special waste. Do not dispose of with household waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Empty carefully and completely, if possible. Handle empty containers with care.
Incineration may cause explosion. Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN1950
Proper shipping name: UN 1950, AEROSOLS
Hazard class or Division: 2.2
Labels: 2.2
Packaging – Exceptions: 306
Packaging – Non-bulk: None
Packaging – Bulk: None
Quantity limitations – Passenger aircraft / rail: 75 kg
Quantity limitations – Cargo only: 150 kg
Vessel stowage – Location: A
Vessel stowage – Other: 25, 87, 126



Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN1950
Shipping name: UN 1950, AEROSOLS
TDG class: 2.2
Special provisions: 80, 107
Explosive limit and limited quantity index: 1 L
Passenger carrying road or rail index: 75 L

Sea transport (IMDG)

UN number: UN 1950
Proper shipping name: UN 1950, AEROSOLS
Class or division, Subsidiary risk: Class 2.2, Subrisk-
Packing Group: -
EmS: F-D, S-U
Special provisions: 63, 190, 277, 327, 344, 381, 959
Limited quantities: 1000 mL
Excepted quantities: E0
Contaminated packaging - Instructions: P207, LP200
Contaminated packaging - Provisions: PP87, L2
IBC - Instructions: -
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: -
Tank instructions - Provisions: -
Stowage and handling: SW1 SW22
Segregation: SG69
Properties and observations: -
Marine pollutant: no
Segregation group: none



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Air transport (IATA)

UN/ID number: UN 1950
Proper shipping name: UN 1950, AEROSOLS, non-flammable
Class or division, Subsidiary risk: Class 2.2
Hazard label: Non-flamm. gas
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special provisions: A98 A145 A167 A802
Emergency Response Guide-Code (ERG): 2L

15. Regulatory information

National regulations - Canada

No data available

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 XO
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
1,1,1,2-TETRAFLUOROETHANE: TSCA Inventory: listed; EPA flags S
TSCA HPVC: not listed

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 chemi
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



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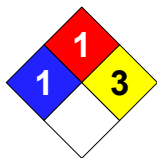
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16. Other information

Text for labeling: Contains < 1 % N-(3-(Trimethoxysilyl)propyl)ethylenediamine, < 10 % 1,1,1,2-TETRAFLUOROETHANE. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:



Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 3 (Serious)

HMIS Version III Rating:

Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 3 (Serious)
Personal Protection: X = Consult your supervisor

| | |
|-----------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 3 |
| | X |

Reason of change: ADR/RID 2017, IMDG 2017

Date of first version: 1/Apr/2016

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.