

SAFETY DATA SHEET

according to Safe Work Australia



wedi Joint Sealant

Material number JS1

Revision date: 25/7/2018
Version: 1

Language: en-AU

Date of print: 27/7/2018
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1. Product identifier and identity for the chemical

Product identifier

Trade name: wedi Joint Sealant

Recommended use of the chemical and restrictions on use

General use: Adhesive
Reserved for industrial and professional use.

Suppliers name, address and phone number

Company name: wedi Corporation / wedi Americas
Street/POB-No.: 1160 Pierson Drive
Postal Code, city: IL 60510 Batavia
USA

WWW: www.wedicorp.com
E-mail: info@wedicorp.com
Telephone: 877.933.9334 (Toll Free)
Telefax: 847.357.9819

Dept. responsible for information:
wedi Corporation / wedi Americas
Technical Support Department
Telephone: +1 877.933.WEDI (9334), Mobile: +1 770.366.6835
Office Fax: +1 847.357.9819, Mobile Fax: +1 770.783.8874
E-mail info@wedicorp.com

Emergency phone number

Telephone: +1 877.933.WEDI (9334) Only available during office hours.
Mobile: +1 770.366.6835 For non business hours.

2. Hazard Identification

Classification of the hazardous chemical

GHS classification

Eye irritation - Category 2A
Toxic to reproduction - Category 1B
Specific target organ toxicity (repeated exposure) -
Category 2
Aquatic toxicity - chronic - Category 3

Causes serious eye irritation.
May damage fertility. May damage the unborn child.
May cause damage to organs through prolonged or
repeated exposure.
Harmful to aquatic life with long lasting effects.

Label elements



Signal word:

Danger

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Hazard statements: Causes serious eye irritation.
May damage fertility. May damage the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautionary statements: Obtain special instructions before use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification

Causes mild skin irritation. Product cures in the presence of moisture by separating methanol.

3. Composition / information on ingredients

Mixtures

Hazardous ingredients:

CAS No.	Designation	Concentration	Classification
CAS 2768-02-7	Trimethoxyvinylsilane	< 3 %	Flammable liquid - Category 3. Acute toxicity - inhalation - Category 4. Specific target organ toxicity (repeated exposure) - Category 2.
CAS 13822-56-5	3-(Trimethoxysilyl) propylamine	< 3 %	Skin irritation - Category 2. Serious eye damage - Category 1.
CAS 22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin	< 1 %	Acute toxicity - oral - Category 4. Skin corrosion - Category 1C. Sensitisation - skin - Category 1. Germ cell mutagenicity - Category 2. Toxic to reproduction - Category 1B. Specific target organ toxicity (single exposure) - Category 1. Specific target organ toxicity (repeated exposure) - Category 1. Aquatic toxicity - chronic - Category 1.
CAS 52829-07-9	Bis(2,2,6,6-Tetramethyl-4-piperidyl)sebacate	< 1 %	Serious eye damage - Category 1. Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 2.

Additional information: Contains Calcium carbonate, Limestone, Carbon, Titanium dioxide: The maximum workplace exposure limits are, where necessary, listed in section 8.
Product cures in the presence of moisture by separating methanol.

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4. First Aid Measures

Description of necessary first aid measures

- General information: Take off contaminated clothing and wash it before reuse. If medical advice is needed, have product container or label at hand.
- In case of inhalation: Move victim to fresh air. Seek medical treatment in case of troubles.
- Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Take off contaminated clothing. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Do not induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Immediately get medical attention.

Symptoms caused by exposure

Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. May cause allergic reactions in already sensitized persons.

Medical Attention and Special Treatment

Treat symptomatically.
During hydrolysis, a small amount of methanol is produced.

5. Fire Fighting Measures

Suitable extinguishing media

Water spray jet, alcohol resistant foam, extinguishing powder, 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.
Furthermore, there may develop: nitrogen oxides (NOx), halogenated hydrocarbons, carbon monoxide and carbon dioxide

Special protective equipment and precautions for fire fighters

Special protective equipment for firefighters:

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

Additional information: Hazchem-Code: -

Do not allow water used to extinguish fire to enter drains, ground or waterways.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid exposure. Provide adequate ventilation. Avoid contact with the substance. Do not breathe dust/fume/mist. Avoid contact with skin, eyes and clothes. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Keep unprotected people away.

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Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

Methods and material for containment and cleaning up

Use only non-sparking tools. Take up mechanically, placing in appropriate containers for disposal. Thoroughly clean surrounding area.

7. Handling and Storage

Precautions for safe handling

Advices on safe handling: Obtain special instructions before use. Provide adequate ventilation. Avoid contact with the substance. Do not breathe dust/fume/mist. Avoid contact with skin, eyes and clothes. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Have eye wash bottle or eye rinse ready at work place. Wash hands before breaks and after work.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container in a well-ventilated place. Store container tightly closed in a dry and cool place.

Protect from frost. Protect from heat and direct sunlight. Protect from moisture contamination.

Store containers in upright position.

Storage temperature: 10 °C up to 35 °C

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
471-34-1	Calcium carbonate	Australia: OEL-TWA	10 mg/m ³ inhalable fraction
1333-86-4	Carbon	Australia: OEL-TWA	3 mg/m ³
13463-67-7	Titanium dioxide	Australia: OEL-TWA	10 mg/m ³ (inhalable fraction)
14808-60-7	Silicon dioxide (Quartz (SiO ₂))	Australia: OEL-TWA	0.1 mg/m ³
67-56-1	Methanol	Australia: OEL-STEL	328 mg/m ³ ; 250 ppm (may be absorbed through the skin)
		Australia: OEL-TWA	262 mg/m ³ ; 200 ppm (may be absorbed through the skin)

Additional information: During hydrolysis, a small amount of methanol is produced.
Bound in the product: Calcium carbonate, Limestone, Carbon, Titanium dioxide

Appropriate engineering controls

Provide good ventilation and/or an exhaust system in the work area.

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Personal protective equipment (PPE)

Occupational exposure controls

- Respiratory protection: Respiratory protection must be worn according to AS/NZS 1715 and AS/NZS 1716 whenever the WEL levels have been exceeded.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection: Protective gloves according to AS/NZS 2161.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed eye protectors according to AS/NZS 1337.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:
Obtain special instructions before use. Avoid contact with the substance. Do not breathe dust/fume/mist. Avoid contact with skin, eyes and clothes. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Have eye wash bottle or eye rinse ready at work place. Wash hands before breaks and after work.

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
Colour: varying colours
- Odour: sweet
- Odour threshold: No data available
- pH: not applicable
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point/flash point range: > 93 °C
- Evaporation rate: No data available
- Flammability: No data available
- Explosion limits: No data available
- Vapour pressure: No data available
- Vapour density: No data available
- Density: 1.46 g/cm³
- Solubility: No data available
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available

Additional information

- Viscosity, kinematic: not applicable
- Volatile organic compounds content (VOC): < 30 g/L
- Solid content: 100 %

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10. Stability and Reactivity

- Reactivity: Product cures in the presence of moisture by separating methanol.
- Chemical stability: Stable under recommended storage conditions. During hydrolysis, a small amount of methanol is produced.
- Possibility of hazardous reactions: No hazardous reaction when handled and stored according to provisions.
- Conditions to avoid: Protect from frost. Protect from heat and direct sunlight. Protect from moisture contamination.
- Incompatible materials: Water
- Hazardous decomposition products: No hazardous decomposition products when regulations for storage and handling are observed.
- Thermal decomposition: No data available

11. Toxicological information

Information on toxicological effects

- 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.
- Serious eye damage/irritation: Eye irritation - Category 2A = Causes serious eye irritation.
- 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: Toxic to reproduction - Category 1B = May damage fertility. May damage the unborn child.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Specific target organ toxicity (repeated exposure) - Category 2 = May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard: Lack of data.

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Other information:

- Information about Calcium carbonate (CAS 471-34-1):
 - LD50 Rat, oral: 6,450 mg/kg
 - LD50 Rat, dermal: > 2,000 mg/kg
 - LC50 Rat, inhalative (dust/mist): 3 mg/L/4h
- Information about Limestone (CAS 1317-65-3):
 - LD50 Rat, oral: > 5,000 mg/kg
- Information about Trimethoxyvinylsilane (CAS 2768-02-7):
 - LD50 Rat, oral: 7,120 - 7,236 mg/kg (OECD 401)
 - LD50 Rat, dermal: 3.36 mL/kg
- Information about Stearic acid (CAS 57-11-4):
 - LD50 Rat, oral: > 5,000 mg/kg
 - LD50 Rabbit, dermal: > 5,000 mg/kg
- Information about Carbon (CAS 1333-86-4):
 - LD50 Rat, oral: > 8,000 mg/kg (OECD 401)
- Information about Titanium dioxide (CAS 13463-67-7):
 - LD50 Rat, oral: > 10,000 mg/kg
 - LD50 Rabbit, dermal: > 10,000 mg/kg
 - LC50 Rat, inhalative (dust/mist): > 6.82 mg/L/4h
- Information about 3-(Trimethoxysilyl)propylamine (CAS 13822-56-5):
 - LD50 Rat, oral: > 2,000 mg/kg
 - LD50 Rabbit, dermal: > 2,000 mg/kg
- Information about Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS 22673-19-4):
 - LD50 Rat, oral: 1,864 mg/kg (OECD 401)
 - LD50 Rabbit, dermal: > 2,000 mg/kg (OECD 402)

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12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about Calcium carbonate (CAS 471-34-1):
Fish toxicity:
LC50 fish: > 1,000 mg/L/96h
Daphnia toxicity:
EC50 Daphnia: > 1,000 mg/L/48h
Algae toxicity:
IC50 algae: > 1,000 mg/L/72h

Information about Limestone (CAS 1317-65-3):
Fish toxicity:
LC50 Oncorhynchus mykiss: > 10,000 mg/L/96h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): > 1,000 mg/L/48h
Algae toxicity:
EC50 Desmodesmus subspicatus (green algae): > 200 mg/L/72h

Information about Trimethoxyvinylsilane (CAS 2768-02-7):
Fish toxicity:
LC50 Oncorhynchus mykiss: 191 mg/L/96h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 168.7 mg/L/48h
Algae toxicity:
EC50 Desmodesmus subspicatus (green algae): > 957 mg/L/72h

Information about Titanium dioxide (CAS 13463-67-7):
Fish toxicity:
LC50 Cyprinodon variegatus: > 240 mg/L/96h
NOEC: 100 mg/L/30d
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): > 100 mg/L/48h
NOEC: 3 mg/L/30d

Persistence and degradability

Further details: No data available

Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

Mobility in soil

No data available

Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

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13. Disposal considerations

Waste treatment methods

Product

Recommendation: 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

Land transport (ADG)

Product designation: 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.

Hazchem-Code:

-

15. Regulatory information

National regulations - Australia

AICS: listed

National regulations - New Zealand

NZIoC: not listed

Further regulations, limitations and legal requirements

No data available

16. Other information

Text for labelling: Contains: dibutylbis(pentane-2,4-dionato-O,O')tin and Trimethoxyvinylsilane

Date of first version: 25/7/2018

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

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