

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



wedi Joint Sealant

Material number JSM

Revision date: 5/27/2022

Version: 1.1

Language: en-US

Date of print: 6/20/2022

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1. Product and company identification

Product identifier

Trade name: wedi Joint Sealant

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

General use: Adhesive
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

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

Department 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. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: solid

Form: pasty

Color: varying colors

Odor: mild

Classification: Acute Toxicity - oral - Category 4; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Germ cell mutagenicity - Category 2; Carcinogenicity - Category 1B; Reproductive toxicant - Category 1B; Specific Target Organ Toxicity (Single Exposure) - Category 1; Specific Target Organ Toxicity (Repeated Exposure) - Category 1; Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word:

Danger

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Hazard statements:

- Harmful if swallowed.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Suspected of causing genetic defects.
- May cause cancer.
- May damage fertility or the unborn child.
- Causes damage to organs.
- Causes 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/vapors/spray.
- Wash hands and face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN: Wash with plenty of water/soap.
- 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: Call a POISON CENTER/doctor.
- Get medical advice/attention if you feel unwell.
- Specific treatment (see ' First aid ' on this label).
- Rinse mouth.
- Take off contaminated clothing and wash it before reuse.
- Store locked up.
- 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).

Hazards not otherwise classified

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

see section 11: Toxicological information

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3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 1317-65-3	Limestone	30 - 60 %	not classified
CAS 471-34-1	Calcium carbonate	15 - 40 %	not classified
CAS 28553-12-0	Diisononyl phthalate	15 - 40 %	not classified
CAS 13463-67-7	Titanium dioxide	1 - 5 %	Carcinogenicity - Category 1B.
CAS 2768-02-7	Trimethoxyvinylsilane	1 - 5 %	Flammable Liquid - Category 3. Acute Toxicity - inhalative - Category 4. Specific Target Organ Toxicity (Repeated Exposure) - Category 2.
CAS 818-08-6	Dibutyltin oxide	0.1 - 1 %	Acute Toxicity - oral - Category 3. Skin Irritation - Category 2. Eye Damage - Category 1. Sensitization - skin - Category 1. Germ cell mutagenicity - Category 2. Reproductive toxicant - Category 1B. Specific Target Organ Toxicity (Single Exposure) - Category 1. Specific Target Organ Toxicity (Repeated Exposure) - Category 1. Aquatic toxicity - acute - Category 1 (M-factor = 1). Aquatic toxicity - chronic - Category 1 (M-factor = 1).
CAS 1333-86-4	Carbon	< 0.1 %	not classified

Additional information: During hydrolysis, a small amount of methanol is produced.

4. 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. 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. Subsequently 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.

Most important symptoms/effects, acute and delayed

May cause an allergic skin reaction. Causes serious eye irritation. Causes damage to organs. Harmful if swallowed. May be harmful if inhaled.

Information to physician

Treat symptomatically.

During hydrolysis, a small amount of methanol is produced.

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5. Fire fighting measures

Flash point/flash point range:

199.94 °F

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, dry chemical 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 vapors in case of fire.

Furthermore, there may develop: calcium compounds, hydrocarbons, carbon monoxide and carbon dioxide

Protective equipment and precautions for firefighters:

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

Additional information:

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

6. Accidental release measures

Personal precautions:

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.

Environmental precautions:

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

Methods for clean-up:

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

7. Handling and storage

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.

Storage

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. Do not store at temperatures above 248 °F.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Do not store together with: strong acids, strong oxidizing agents

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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
1317-65-3	Limestone	USA: NIOSH: TWA	10 mg/m ³ inhalable fraction
		USA: NIOSH: TWA	5 mg/m ³ (respirable fraction)
		USA: OSHA: TWA	15 mg/m ³ inhalable fraction
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction)
471-34-1	Calcium carbonate	USA: NIOSH: TWA	10 mg/m ³ (inhalable fraction)
		USA: NIOSH: TWA	5 mg/m ³ (respirable fraction)
		USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction)
13463-67-7	Titanium dioxide	USA: ACGIH: TWA	0.2 mg/m ³ (nanoscale particles; respirable fraction)
		USA: ACGIH: TWA	2.5 mg/m ³ (finescale particles; respirable fraction)
		USA: IDLH: TWA	5000 mg/m ³
		USA: OSHA: TWA	15 mg/m ³
818-08-6	Dibutyltin oxide	USA: ACGIH: STEL	0.2 mg/m ³ (may be absorbed through the skin)
		USA: ACGIH: TWA	0.1 mg/m ³ (may be absorbed through the skin)
		USA: IDLH: TWA	25 Sn/m ³
		USA: NIOSH: TWA	0.1 mg/m ³ (may be absorbed through the skin)
		USA: OSHA: TWA	0.1 mg/m ³
		USA: OSHA: TWA	0.1 mg/m ³
1333-86-4	Carbon	USA: ACGIH: TWA	3 mg/m ³ (inhalable fraction)
		USA: IDLH: TWA	1750 mg/m ³
		USA: NIOSH: TWA	0.1 mg PAHs/m ³ (Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs))
		USA: NIOSH: TWA	3.5 mg/m ³
		USA: OSHA: TWA	3.5 mg/m ³

Engineering controls

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

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. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

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.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

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: varying colors
Odor:	mild
Odor 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:	199.94 °F
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	1.3 - 1.7 g/cm ³
Water solubility:	slightly soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

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.

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

Incompatible materials: Strong acids, strong oxidizing agents

Hazardous decomposition products: No hazardous decomposition products when regulations for storage and handling are observed.

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): Acute Toxicity - oral - Category 4 = Harmful if swallowed.
ATEmix: 1.261 mg/kg

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): May be harmful if inhaled.

Skin corrosion/irritation: Causes mild skin irritation.

Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Germ cell mutagenicity - Category 2 = Suspected of causing genetic defects.

Carcinogenicity: Carcinogenicity - Category 1B = May cause cancer.

Reproductive toxicity: Reproductive toxicant - Category 1B = May damage fertility or the unborn child.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 1 = Causes damage to organs.

Specific target organ toxicity (repeated exposure): Specific Target Organ Toxicity (Repeated Exposure) - Category 1 = Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Lack of data.

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Other information: Information about Limestone (CAS 1317-65-3):
LD50 Rat, oral: > 5,000 mg/kg
Information about Calcium carbonate (CAS 471-34-1):
LD50 Rat, oral: 6,450 mg/kg
Information about Diisononyl phthalate (CAS 28553-12-0):
LD50 Rat, oral: > 9,750 mg/kg
LC50 Rat, inhalative: > 4.4 mg/L/4h
Information about Titanium dioxide (CAS 13463-67-7):
LD50 Rat, oral: > 10,000 mg/kg
Information about Trimethoxyvinylsilane (CAS 2768-02-7):
LD50 Rat, oral: 7,340 µL/kg
Information about Dibutyltin oxide (CAS 818-08-6):
LD50 Rat, oral: 44.9 mg/kg
Information about Carbon (CAS 1333-86-4):
LD50 Rat, oral: > 15,400 mg/kg
For carcinogenic effects
Information about Carbon:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: not listed
Information about Titanium dioxide:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: not listed

12. Ecological information

Ecotoxicity

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

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

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

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

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Package

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

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

Environmental hazards

Marine pollutant:

no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

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.

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15. Regulatory information

National regulations - U.S. Federal Regulations

Limestone:	TSCA Inventory: listed; UVCB TSCA HPVC: not listed NIOSH Recommendations: Occupational Health Guideline: 0090*
Calcium carbonate:	TSCA Inventory: listed TSCA HPVC: not listed
Diisononyl phthalate:	TSCA Inventory: listed TSCA HPVC: not listed
Titanium dioxide:	TSCA Inventory: listed TSCA HPVC: not listed Carcinogen Status: IARC Rating: Group 2B OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0617
Trimethoxyvinylsilane:	TSCA Inventory: listed TSCA HPVC: not listed
Dibutyltin oxide:	TSCA Inventory: listed TSCA HPVC: not listed
Carbon:	TSCA Inventory: listed; UVCB; EPA flags XU TSCA HPVC: not listed Carcinogen Status: IARC Rating: Group 2B OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0102

National regulations - U.S. State Regulations

Diisononyl phthalate:	California Proposition 65: cancer
Titanium dioxide:	California Proposition 65: cancer
Carbon:	California Proposition 65: cancer

16. Other information

Text for labeling: Contains 30 - 60 % Limestone, 15 - 40 % Calcium carbonate, 15 - 40 % Diisononyl phthalate, 1 - 5 % Titanium dioxide, 1 - 5 % Trimethoxyvinylsilane, 0.1 - 1 % Dibutyltin oxide, < 0.1 % Carbon. Safety data sheet available on request.

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Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate) - Chronic effects

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	*	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
		X

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AS/NZS: Australian Standards/New Zealand Standards

CAS: Chemical Abstracts Service

CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

DMEL: Derived minimal effect level

DNEL: Derived no-effect level

EC: European Community

EN: European Standard

EQ: Excepted quantities

IATA: International Air Transport Association

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IMDG Code: International Maritime Dangerous Goods Code

LC50: Median lethal concentration

LD50: Lethal dose 50%

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

M-factor: Multiplication factor

OEL: Occupational Exposure Limit Value

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

STOT RE: Specific target organ toxicity - repeated exposure

STOT SE: Specific target organ toxicity - single exposure

TLV: Threshold Limit Value

TRGS: Technical Rules for Hazardous Substances

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: Material number

Date of first version: 10/12/2021

Department issuing data sheet

Contact person: see section 1: Department responsible for information

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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.