

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010



wedi® 620

Material number 620

Revision date: 6/25/2019
Version: 2

Language: en-US

Date of print: 6/25/2019
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1. Product and company identification

Product identifier

Trade name: wedi® 620

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

General use: Sealant based on silane modified polymers
Restricted to professional users.

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)

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Dept. responsible for information:

wedi Corporation / wedi Americas

Technical Support Department

Telephone: +1 877.933.WEDI (9334), Mobile: +1 770.366.6835

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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: gray

Odor: characteristic

Classification: This material is classified as not hazardous.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

During hydrolysis, a small amount of methanol is produced.

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

Special danger of slipping by leaking/spilling product.

see section 11: Toxicological information

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3. Composition / Information on ingredients

Chemical characterization: Mixture of the substances listed below with non-hazardous additions:

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 2768-02-7	Trimethoxyvinylsilane	1 - 2.5 %	Flammable Liquid - Category 3. Acute Toxicity - inhalative - Category 4.
CAS 13822-56-5	3-(Trimethoxysilyl) propylamine	1 - 2.5 %	Skin Irritation - Category 2. Eye Damage - Category 1.

Additional information: During hydrolysis, a small amount of methanol is produced.
The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

General information: If medical advice is needed, have product container or label at hand.

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical treatment in case of troubles.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Take off contaminated clothing and wash it before reuse. 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: Rinse mouth with water. Seek medical attention.
Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

No data available

Information to physician

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

5. Fire fighting measures

Flash point/flash point range:

not applicable

Auto-ignition temperature: No data available

Suitable extinguishing media:

Dry chemical powder, alcohol resistant foam, water spray jet, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Combustible.
Emits toxic fumes under fire conditions.
Furthermore, there may develop: Carbon monoxide and carbon dioxide.

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Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Cool exposed containers with water spray.
Do not allow water used to extinguish fire to enter drains, ground or waterways.
You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Wear appropriate protective equipment. Take off 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 with non-flammable, liquid binding material (e.g. sand/earth/diatomaceous earth/vermiculit) and perform disposal according to instructions. Final cleaning.

Additional information:

Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Avoid breathing dust/fume/gas/mist/vapors/spray.

Avoid contact with skin and eyes.

Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.

Storage

Requirements for storerooms and containers:

Protect from moisture contamination. Keep only in the original container. Keep container dry.

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature: 41 - 95 °F

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

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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	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: nitrile rubber, 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: Use respiratory protection whenever ventilation is inadequate.
Wear half-mask respirator with combination filter for organic vapors and particles.
- General hygiene considerations:
Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Take off contaminated clothing and wash it before reuse. When using do not eat, drink or smoke.
Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Physical state at 68 °F and 101.3 kPa: solid
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Odor:	characteristic
Odor threshold:	No data available
pH value:	not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	not applicable
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:	1.5 g/cm ³
Water solubility:	slightly soluble
Partition coefficient: n-octanol/water:	1.1 log P(o/w) (Trimethoxyvinylsilane) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	approx. 1000 - 2000 mPa*s

10. Stability and reactivity

Reactivity:	Product cures in the presence of moisture by separating methanol.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No dangerous reactions with proper and specified storage and handling.
Conditions to avoid:	Protect from moisture contamination.
Incompatible materials:	Water
Hazardous decomposition products:	No decomposition when used properly.
Thermal decomposition:	No data available

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11. Toxicological information

Toxicological tests

Toxicological effects: 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.
ATEmix calculated: 4,272 mg/kg
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix calculated (vapors): 719.10 mg/L
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
The statement is derived from products of similar composition.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
The statement is derived from products of similar composition.
Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.
Skin sensitisation: Based on available data, the classification criteria are not met.
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: Lack of data.
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: Information about Trimethoxyvinylsilane (CAS 2768-02-79):
LD50 Rat, oral: 7120 - 7236 mg/kg (OECD 401)
LD50 Rabbit, dermal: 3360 µL/kg
LC50 Rat, inhalative: 16.8 mg/L/4h (OECD 403)
Information about 3-(Trimethoxysilyl)propylamine (CAS 13822-56-5):
LD50 Rat, oral: > 2000 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 2000 mg/kg (OECD 402)

12. Ecological information

Ecotoxicity

Aquatic toxicity: Information about Trimethoxyvinylsilane (CAS 2768-02-79):
Algae toxicity: EC50 *Desmodesmus subspicatus* (green algae): > 957 mg/L/72h
Fish toxicity: LC50 *Oncorhynchus mykiss*: 191 mg/L/96h
Daphnia toxicity: EC50 *Daphnia magna* (Big water flea): 168.7 mg/L/48h
Information about 3-(Trimethoxysilyl)propylamine (CAS 13822-56-5):
Algae toxicity: EC50 *Desmodesmus subspicatus* (green algae): > 1000 mg/L/72h
Fish toxicity: LC50 *Brachydanio rerio* (zebra-fish): > 934 mg/L/96h
Daphnia toxicity: EC50 *Daphnia magna* (Big water flea): 331 mg/L/48h

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Mobility in soil

No data available

Persistence and degradability

Further details: Biodegradability:
Information about Trimethoxyvinylsilane (CAS 2768-02-79): 51 %/28 d (OECD 301F), not easily bio-degradable
Information about 3-(Trimethoxysilyl)propylamine (CAS 13822-56-5): 67 %/28 d (OECD 301A), not easily bio-degradable

Additional ecological information

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

13. Disposal considerations

Product

Recommendation: Adhesives, not cured: Incinerate as hazardous waste according to applicable local, state, and federal regulations.
Incinerate according to applicable local, state and federal regulations.

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

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

Trimethoxyvinylsilane: TSCA Inventory: listed
TSCA HPVC: not listed

3-(Trimethoxysilyl)propylamine: 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

National regulations - U.S. State Regulations

Methanol: 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

National regulations - Great Britain

Hazchem-Code: -

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16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change:

Changes in section 3: Composition / information on ingredients
Changes in section 7: Storage class
Changes in section 9: Physical and chemical properties
General revision

Date of first version: 4/15/2019

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.