

SAFETY DATA SHEET

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



wedi® building panel

Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 1 of 9

1. Product and company identification

Product identifier

Trade name: wedi® building panel

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

General use: Article: Tile Backer Board Underlayment for
Commercial Use Buildings, Professional application.

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

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

Color: Base: blue

Upper side/lower side: gray

Odor: odorless

Classification: Article not subject to hazard labelling or classification.

Precautionary statements:

Avoid breathing dust.

Avoid release to the environment.

Regulatory status

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

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Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 2 of 9

Hazards not otherwise classified

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. For risks which have to be observed thereby, see section 7: Handling, section 8: Exposure controls / personal protection and section 11: Toxicology. Inhalation of dust may cause irritation of the respiratory system. Dust contact with the eyes can lead to mechanical irritation.

In case of release of ingredients:

May cause allergic reactions in already sensitized persons. Causes serious eye damage. see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Article on the basis of polystyrene-rigid foam with flame retardant finishing

Upper side/lower side:

Glass-filament-fabric, CAS 65997-17-3 (diameter fibers: 5-14 µm. classification H315 Causes skin irritation.); finish

Coating agent: cement based resin coating

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 65997-15-1	Portland cement	< 10 %	Skin Irritation - Category 2. Eye Damage - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 1889-67-4	1,1'-(1,1,2,2-tetramethylethylene) dibenzene	< 0.25 %	Sensitization - skin - Category 1.

Additional information: Contains: silicon dioxide, Calcium sulfate. The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

General information: For mechanical processing: dust formation.

In case of inhalation: Dusts/particles: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Dusts/particles:
Remove residues with soap and water.
In the event of persistent symptoms seek medical treatment.
Avoid rubbing. Particles may penetrate deeper into the skin by rubbing.

After eye contact: Dusts/particles: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Dusts/particles:
Rinse mouth thoroughly with water.
Let water be swallowed in little sips.

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wedi® building panel

Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 3 of 9

Most important symptoms/effects, acute and delayed

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.
In case of release of ingredients: May cause an allergic skin reaction. Causes serious eye damage.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

Not applicable

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water spray jet, 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 vapours in case of fire.
Exposure to heat may produce hazardous decomposition products:
Styrene, Ethylbenzene, Aromatic hydrocarbons, Aldehydes, Hydrogen bromide (HBr),
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 fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions:

In the case of the formation of dust:
Provide fresh air. Do not breathe dust.
Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.
Avoid contact with skin and eyes.

Environmental precautions:

Discharge into the environment must be avoided.

Methods for clean-up:

Take up mechanically. Dispose of waste according to applicable legislation.
Avoid generation of dust. Final cleaning.

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wedi® building panel

Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 4 of 9

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid generation of dust.

Wear suitable protective clothing and gloves.

For mechanical processing:

dust formation. The use of local exhaust ventilation is recommended. Do not breathe dust.

Avoid contact with skin and eyes. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Precautions against fire and explosion:

Dry mechanical processing may form explosive dust-air mixtures.

To avoid dust explosion, dust accumulation should be avoided.

Flame Spread (90) and Smoke Developed (215) tested and passed according to ASTM E84-04 according to IBC requirements.

Avoid open flames. Keep away from heat.

Storage

Requirements for storerooms and containers:

Provide adequate ventilation.

Protect against direct sunlight.

Protect from moisture.

The product should be stored flat.

Hints on joint storage:

Avoid contact with:

Oxidizing agents, aldehydes, amines, ester, organic solvents, Fuel (liquid).

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wedi® building panel

Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 5 of 9

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	wedi® building panel	USA: ACGIH: TWA	10 mg/m ³ Dust limit value, inhalable fraction
		USA: ACGIH: TWA	3 mg/m ³ Dust limit value, respirable fraction
		USA: OSHA: TWA	15 mg/m ³ (Dust limit value, inhalable fraction)
		USA: OSHA: TWA	5 mg/m ³ (Dust limit value, respirable fraction)
14808-60-7	Silicon dioxide (Quartz (SiO ₂))	USA: ACGIH: TWA	0.025 mg/m ³ (respirable fraction)
		USA: NIOSH: TWA	0.05 mg/m ³ (respirable fraction)
		USA: OSHA: TWA	10 mg/m ³ /% SiO ₂ + 2 (respirable fraction)
		USA: OSHA: TWA	250 mppcf/%SiO ₂ +5 (fine dust)
		USA: OSHA: TWA	30 mg/m ³ /% SiO ₂ + 2 (inhalable fraction)
65997-15-1	Portland cement	USA: ACGIH: TWA	1 mg/m ³ (respirable fraction)
		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)
		USA: OSHA: TWA	50 mppcf
7778-18-9	Calcium sulfate	USA: ACGIH: TWA	10 mg/m ³ (inhalable fraction)
		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)
65997-17-3	Fiberglass	USA: ACGIH: TWA	1 fibers/cm ³ (Synthetic vitreous fibres, Continuous filament glass fibres)
		USA: ACGIH: TWA	5 mg/m ³ (Synthetic vitreous fibres, Continuous filament glass fibres, inhalable fraction)
		USA: NIOSH: TWA	3 fibers/cm ³ Fibers less than or equal to 3,5 µm in diameter and greater than or equal to 10µm in length.
		USA: NIOSH: TWA	5 mg/m ³ (Fiber glas®, Fiberglass, Glass fibers, Glass wool, total dust)

Engineering controls

Provide adequate ventilation.

For mechanical processing: The use of local exhaust ventilation is recommended.

See also information in chapter 7, section storage.

SAFETY DATA SHEET

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wedi® building panel

Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 6 of 9

Personal protection equipment (PPE)

- Eye/face protection For mechanical processing:
Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection For mechanical processing:
Wear closed work clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Protective gloves against mechanical risks according to EN 388.
- Respiratory protection: For mechanical processing:
Dust mask, Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.
When dust and vapours form:
Combination filtering device (EN 14387) AP2.
- General hygiene considerations:
Avoid generation of dust.
Wash hands before breaks and after work.
Dust and glass-fibers:
Do not breathe dust. Avoid contact with skin and eyes.
Avoid rubbing. Particles may penetrate deeper into the skin by rubbing.
Remove fibers and/or dust from working clothes using a vacuum cleaner.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: solid Color: Base: blue Upper side/lower side: gray
Odor:	odorless
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:	No data available
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	Thermal decomposition (complete): > 572 °F Maximum allowed service temperature (heat deformation): 175.1 °F
Additional information:	No data available

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Material number 010XXXXXX

Revision date: 7/20/2016
Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 7 of 9

10. Stability and reactivity

- Reactivity: No data available
- Chemical stability: Stable under recommended storage conditions.
Polystyrene-Foam: combustible.
- Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.
- Conditions to avoid: Protect against direct sunlight.
Protect from moisture.
- Incompatible materials: Avoid contact with:
Oxidizing agents, aldehydes, amines, ester, organic solvents, Fuel (liquid).
- Hazardous decomposition products:
May form dangerous gases and vapours in case of fire.
Exposure to heat may produce hazardous decomposition products:
Styrene, Ethylbenzene, Aromatic hydrocarbons, Aldehydes, Hydrogen bromide (HBr),
Carbon monoxide and Carbon dioxide.
- Thermal decomposition: Thermal decomposition (complete): > 572 °F
Maximum allowed service temperature (heat deformation): 175.1 °F

11. Toxicological information

Toxicological tests

- Toxicological effects: 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: Lack of data.
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: 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: For mechanical processing: formation of Dust and glass-fibers.
Dust and glass-fibers: Contact with skin and eyes, or inhalation may cause irritations.
Rubber-granulate-mat: Not known to cause sensitization.
1,1'-(1,1,2,2-tetramethylethylene)dibenzene: May cause an allergic skin reaction.

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Version: 9

Language: en-US

Date of print: 7/3/2018
Page: 8 of 9

12. Ecological information

Ecotoxicity

Aquatic toxicity: Polystyrene-foam:
Product is not soluble in water, and floats on water.

Mobility in soil

No data available

Persistence and degradability

Further details: Product is not biodegradable.

Additional ecological information

General information: Discharge into the environment must be avoided.

13. Disposal considerations

Product

Recommendation: Incinerate according to applicable local, state and federal regulations.

Contaminated packaging

Recommendation: Recycling possible without special treatment.
If recycling is not practicable, dispose of in compliance with local regulations.

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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wedi® building panel

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Revision date: 7/20/2016
Version: 9

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Date of print: 7/3/2018
Page: 9 of 9

15. Regulatory information

National regulations - U.S. Federal Regulations

Product: This product is an article as defined by TSCA regulations, and is exempt from TSCA inventory listing requirements.

Silicon dioxide (Quartz (SiO₂)): Carcinogen Status:
IARC Rating: Group 1
OSHA Carcinogen: not listed
NTP Rating: listed
NIOSH Recommendations:
Occupational Health Guideline: 0553

Portland cement: NIOSH Recommendations:
Occupational Health Guideline: 0521

Calcium sulfate: NIOSH Recommendations:
Occupational Health Guideline: 0095

Fiberglass: TSCA: CAS 65997-17-3 listed

National regulations - U.S. State Regulations

Silicon dioxide (Quartz (SiO₂)): California Proposition 65:
cancer
Rhode Island HSL: listed

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Hazard rating systems:



NFPA Hazard Rating:
Health: 1 (Slight)
Fire: 0 (Minimal)
Reactivity: 0 (Minimal)

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

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 3: Composition / information on ingredients

Date of first version: 1/27/2010

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.