

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830



## wedi® Buildingboard

Material number 010XXXXXX

Revision date: 20/7/2016  
Version: 9

Language: en-GB,IE

Date of print: 20/12/2016  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: wedi® Buildingboard

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

General use: Article: carrier plate for  
Private households, Professional application.

### 1.3 Details of the supplier of the safety data sheet

Company name: wedi GmbH  
Street/POB-No.: Hollefeldstraße 51  
Postal Code, city: 48282 Emsdetten  
Germany  
WWW: www.wedi.de  
E-mail: anwendungstechnik@wedi.de  
Telephone: +49 (0)2572 / 156-0  
Telefax: +49 (0)2572 / 156-3240  
Dept. responsible for information:  
Telephone: +49 (0)2572 / 156-240  
E-mail anwendungstechnik@wedi.de

### 1.4 Emergency telephone number

Telephone: +49 (0)2572 / 156-240  
Only available during office hours.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Article not subject to hazard labelling or classification.

### 2.2 Label elements

#### Labelling (CLP)

not applicable

### 2.3 Other hazards

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.

Results of PBT and vPvB assessment:

No data available

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### SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

#### 3.2 Mixtures

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

Upper side/lower side:

Glass-filament-fabric, CAS 65997-17-3 (diameter fibres: 5-14 µm. classification H315

Causes skin irritation.); finish

Coating agent: plaster

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 266-043-4 CAS 65997-15-1	Portland cement	< 10 %	Skin Irrit. 2; H315. Eye Dam. 1; H318. STOT SE 3; H335.
EC No. 217-568-2 CAS 1889-67-4	1,1'-(1,1,2,2-tetramethylethylene) dibenzene	< 0.25 %	Skin Sens. 1B; H317.

Full text of H- and EUH-statements: see section 16.

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

### SECTION 4: First aid measures

#### 4.1 Description of 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. Fibers 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.

#### 4.2 Most important symptoms and effects, both 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.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

Water fog, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

### 5.2 Special hazards arising from the substance or mixture

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.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information:

Hazchem-Code: -

Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

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.

### 6.2 Environmental precautions

Discharge into the environment must be avoided.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically. Dispose of waste according to applicable legislation.

Avoid generation of dust. Final cleaning.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe 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.

Fire behaviour according to EN 13501: E Normally inflammable building materials.

Avoid open flames. Keep away from heat.

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### 7.2 Conditions for safe storage, including any incompatibilities

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).

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	wedi® Buildingboard	Great Britain: WEL-TWA	10 mg/m <sup>3</sup> Dust limit value inhalable fraction
		Great Britain: WEL-TWA	4 mg/m <sup>3</sup> Dust limit value respirable fraction
		Ireland: 8 hours	10 mg/m <sup>3</sup> Dust limit value inhalable fraction
		Ireland: 8 hours	4 mg/m <sup>3</sup> Dust limit value respirable fraction
14808-60-7	Silicon dioxide (Quartz (SiO <sub>2</sub> ))	Great Britain: WEL-TWA	0.1 mg/m <sup>3</sup> (Silica, crystalline; respirable fraction)
		Ireland: 8 hours	0.1 mg/m <sup>3</sup>
65997-15-1	Portland cement	Great Britain: WEL-TWA	10 mg/m <sup>3</sup> (inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (respirable fraction)
		Ireland: 8 hours	1 mg/m <sup>3</sup> (respirable fraction)
7778-18-9	Calcium sulfate	Great Britain: WEL-TWA	10 mg/m <sup>3</sup> (inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (respirable fraction)
		Ireland: 8 hours	10 mg/m <sup>3</sup>
65997-17-3	Fibreglass	Great Britain: WEL-TWA	2 fibres / mL Machinemade mineral fibre (excluding refractory ceramic fibres)
		Great Britain: WEL-TWA	5 mg/m <sup>3</sup> Machinemade mineral fibre (excluding refractory ceramic fibres)
		Ireland: 8 hours	1 fibres / mL Machinemade mineral fibre (excluding refractory ceramic fibres)
		Ireland: 8 hours	5 mg/m <sup>3</sup> Machinemade mineral fibre (excluding refractory ceramic fibres)

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### 8.2 Exposure controls

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

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: For mechanical processing:  
Dust mask, Particulates filter P2 according to EN 143.  
When dust and vapours form:  
Combination filtering device (EN 14387) AP2.

Hand protection: Protective gloves against mechanical risks according to EN 388.

Eye protection: For mechanical processing:  
Tightly sealed goggles according to EN 166.

Body protection: For mechanical processing:  
Wear closed work clothing.

General protection and hygiene measures:  
Avoid generation of dust.  
Wash hands before breaks and after work.  
Dust and glass-fibres:  
Do not breathe dust. Avoid contact with skin and eyes.  
Avoid rubbing. Fibers may penetrate deeper into the skin by rubbing.  
Remove fibres from working clothes using a vacuum cleaner.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: solid  
Colour: Base: blue  
Upper side/lower side: grey

Odour: odourless

Odour 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

Vapour pressure: No data available

Vapour 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

Decomposition temperature: Thermal decomposition (complete): > 300 °C  
Maximum allowed service temperature (heat deformation): 79.5 °C

Viscosity, kinematic: No data available

Explosive properties: No data available

Oxidizing characteristics: No data available

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### 9.2 Other information

Additional information: No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

refer to section 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.  
Polystyrene-Foam: combustible.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

Protect against direct sunlight.  
Protect from moisture.

### 10.5 Incompatible materials

Avoid contact with:  
Oxidizing agents, aldehydes, amines, ester, organic solvents, Fuel (liquid).

### 10.6 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): > 300 °C  
Maximum allowed service temperature (heat deformation): 79.5 °C

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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.  
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.

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Other information: For mechanical processing: formation of Dust and glass-fibres.  
Dust and glass-fibres: 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.

## SECTION 12: Ecological information

### 12.1 Toxicity

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

### 12.2. Persistence and degradability

Further details: Product is not biodegradable.

### 12.3 Bioaccumulative potential

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

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Discharge into the environment must be avoided.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 17 09 04 = Mixed construction and demolition wastes  
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.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:  
not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:  
Not restricted

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### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.5 Environmental hazards

Marine pollutant:

no

### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations - Great Britain

Hazchem-Code:

-

No data available

#### National regulations - EC member states

Further regulations, limitations and legal requirements:

Regulation (EU) No 850/2004

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H335 = May cause respiratory irritation.

Reason of change:

Changes in section 3: Composition / information on ingredients

Date of first version:

27/1/2010

### Department issuing data sheet

Contact person:

see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.