

## **MATERIAL SAFETY DATA SHEET**

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

Updated 24.11.2017

# **SAI Watertight Board**

## **1. Product and company identification**

### **Identification of the product:**

**Trade Name:** SAI Watertight Board

### **General use of the product:**

Tile backer board underlayment and Shower Underlays for residential and commercial installations, professional application

### **Manufacturer Identification:**

Dural GmbH-Germany  
Sudring 11  
D-56412 Ruppach-Golhausen  
Tel. +49(0)2602/9261-0

## **2. Hazards identification**

### **Hazardous Ingredients:**

**This product is HBCD free and does not contain any “ REACH “ hazardous substances.**

### **Emergency overview:**

Physical state:	solid
Color Base:	blue/grey
Upper side/lower side:	gray / white
Odor:	odorless

### **Regulatory status:**

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

### **Information pertaining to special dangers for human and environment:**

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust.

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For risks which have to be observed thereby, see Section 7: Handling, Section 8: Exposure controls / personal protection and Section 11: Toxicology.

### **3. Composition / Information on ingredients**

#### **Chemical characterization (preparation):**

Extruded polystyrene foam core without halogenated flame retarding agent, coated with water resistant polymeric mortar according to EN 196, silica fillers, redispersible plastics, Glass fiber mesh and portland cement .

### **4. First-aid measures**

**General information: For mechanical processing: dust formation.**

#### **After inhalation:**

Dusts/particles: Provide fresh air. Seek medical treatment in case of persistent symptoms.

#### **In case of skin contact:**

Dusts/particles:

Wash with soap and water

In the event of persistent symptoms seek medical treatment.

Avoid rubbing of skin to avoid dust penetration into the skin.

#### **After Eye contact:**

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

#### **After swallowing:**

Dusts/particles: Rinse mouth thoroughly with water followed by sips of water to clear throat. In the event of persistent symptoms seek medical treatment.

#### **Most important effects both acute and delayed:**

No data available.

### **5. Firefighting measures**

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### **Suitable extinguishing media:**

Water, Carbon dioxide, extinguishing powder, foam.

### **Dangerous combustion products:**

May form dangerous gases and vapors in case of fire. Exposure to heat may produce hazardous decomposition products: Styrene, Ethyl benzene, Aromatic hydrocarbons, Aldehydes, Carbon monoxide and Carbon dioxide.

### **Special protective equipment for fire fighters:**

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:** No special measures are required.

In the case of the formation of dust: Provide fresh air. Do not breathe dust.

**Environmental measures:** Discharge into the environment must be avoided.

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

**General comment:** Refer to protective measures in Sections 7 and 8 along with disposal precautions in Section 13.

## **7. Handling and storage**

### **Advice 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.

### **Protection against fire and explosion:**

Avoid sources of heat and fire.

### **Storage:**

Store in dry place. Protect from direct sunlight. Store on flat surface.

Avoid sources of heat and fire. Avoid contact with: Oxidizing agents, aldehydes, amines, ester, organic solvents, Fuel (liquid).

### **Specific use:**

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Tile backer board and underlays for residential and commercial applications, professional use

## **8. Exposure control / personal protection**

### **Exposure limits:**

For mechanical processing: Please observe generally defined limit for dust:

OSHA-TWA USA: 15 mg/m<sup>3</sup> (total dust)

OSHA-TWA USA: 5 mg/m<sup>3</sup> (respirable fraction)

**Engineering controls:** Provide adequate ventilation and use standard dust exhaust ventilation during mechanical processing is recommended.

See also information in chapter 7, section storage.

**Eye Protection:** During mechanical processing. Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

### **Body Protection:**

For mechanical processing: Wear closed work clothing.

During mechanical processing use adequate dust mask with filtering device in accordance with OSHA Standards.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138 against mechanical risks according to EN 388.

### **Personal protective equipment:**

#### **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 vapors form:

Combination filtering device (DIN EN 141) AP2.

#### **General protection and hygiene measures:**

Avoid generation of dust.

Wash hands before breaks and after work.

Dust and glass-fibers:

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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

### Appearance:

Physical state	Solid
Color	Gray/Blue
Odor	Odorless

### Important health, safety and environmental information:

Softening temperature	+75 °C
Solubility in water	Insoluble
Thermal decomposition	< 300 °C

## 10. Stability and reactivity

**Chemical Stability:** Product is stable under normal storage conditions.

Polystyrene-Foam: combustible.

**Polymerization:** No dangerous reactions are known.

**Conditions to avoid:** Protect against direct sunlight.

Avoid temperatures more than +75 °C. Avoid contact with organic solvents and oils.

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

**Hazardous decomposition products** May form dangerous gases and vapors in case of fire. Exposure to heat may produce hazardous decomposition products: Styrene, Ethyl benzene, Aromatic hydrocarbons, Aldehydes, Carbon monoxide and Carbon dioxide. Product is self – extinguishing in case of fire.

**Thermal decomposition** < 300 °C : Thermal decomposition polystyrene

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## 11. Toxicological information

### Toxicological Tests:

**General remarks:** For mechanical processing: Formation of dust and glass-fibers. Dust and glass-fibers: Contact with skin and eyes, or inhalation may cause irritation.

## 12. Ecological information

### Ecotoxicity:

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

**Persistence and degradability:** Product is not biodegradable.

**Additional ecological information General Information:** Discharge into the environment must be avoided. No unfavorable effects on water, plants, animals or microorganisms are known.

## 13. Disposal considerations

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

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

## 14. Transport regulations

### USA: Department of Transportation (DOT):

Proper Shipping Name                      Not controlled under DOT. **Sea transport (IMDG):**

Proper shipping name:                      Not restricted

### Air transport (IATA):

Proper shipping name:                      Not restricted **Land**

### transport (ADR/RID):

Product designation:                      Not restricted

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### Canada: Transportation of Dangerous Goods (TDG):

Shipping Name

Not controlled under TDG.

**General Remark:** The product is not classified as hazardous material according to road, sea, air and rail transport regulations.

## 15. Regulatory information

**National regulations:** EC member states Labeling (67/548/EEC or 999/45/EC)

**Code letter and hazard symbol:** not applicable

**Hazard statements not applicable**

**Safety precautions not applicable**

## 16. Other information

### Hazard rating systems:

#### NFPA Hazard Rating:

Health: 0 (Minimal)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)



#### HMIS Version III Rating: Health: 0 (Minimal)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor



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**Contact information:** see Section 1, manufacturer responsible for information.

**The information in this data sheet has been established to our best knowledge and was up-to-date at the time of creation. It does not represent a guarantee for the properties of the product described therein in terms of legal warranty regulations.**