

## Material Safety Data Sheet (MSDS)

# TECNOBOARD ed. 1.0 (ENG)\_ 1/02/2011

### 1 Identification of the product and the company

#### 1.1 Product identifier

*Tecnoboard (normal), Tecnoboard hydro (boards with reduced water absorption rate)*

#### 1.2 Relevant identified uses of the product and uses advised against

Gypsum boards with fibrous reinforcement for indoor application

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

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### 2 Hazards identification

#### 2.1 Main hazards

Dust formation while drilling or sawing boards by means of electric tools. Dust masks are recommended

#### 2.3 Other hazards

None

### 3 Composition / information on ingredient

Calcium sulphate biihydrate  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  and glass fiber roving

### 4 First aid measures

#### 4.1 Description of first measures

##### General information

The product is not classified as dangerous. In case of skin irritation contact a dermatologist.

##### After eye contact

No specific measure required, in case of contact with dusts, wash eye with clean water. Seek medical advice if irritation persists.

##### After skin contact

Wash off immediately with soap and water

##### After inhalation

Remove person to fresh air. Ensure supply of fresh air

#### 4.2 Most important symptoms and effects, both acute and delayed

No specific symptoms or effects have been reported

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

Not applicable, Bring this document if you contact a doctor.

## 5 **Firefighting measures**

### 5.1 **Extinguishing media**

Not flammable. Use extinguishing media appropriate for surrounding fire

### 5.2 **Special hazards arising from the mixture**

The product is fire resistant, but packaging may burn.

### 5.3 **Advice for fire fighters**

Hazardous combustion products may include calcium dioxide and sulfur dioxide

## 6 **Accidental release measures**

### 6.1 **Personal precaution, protective equipment and emergency procedures**

Avoid contact with eyes and skin. Use protective goggles and gloves. See Sections 7 and 8.

### 6.2 **Environmental precautions**

Keep out of drains, sewers, ditches and waterways. Minimise use of water to prevent contamination.

## 7 **Handling and storage**

### 7.1 **Precautions for a safe handling**

Minimise dust generation while drilling or sawing boards

### 7.2 **Condition for safe storage, including any compatibilities**

Store in a covered, dry, climate controlled area.

### 7.3 **Specific end use**

Gypsum boards with fibrous reinforcement for indoor application – see section 1.2.

## 8 **Exposure controls / personal protection**

### 8.1 **Control parameters**

Total inhalable for  $\text{CaSO}_4$  -TWA:  $5\text{mg}/\text{m}^3$

### 8.2 **Exposure controls / personal protection**

#### **General protective and hygiene measures**

Minimise and control dust.

#### **Respiratory protection**

If dust cannot be controlled, wear a half face mask conforming to EN 140

#### **Skin protection**

Wear gloves to avoid prolonged or repeat contact

#### **Eye protection**

Wear safety goggles conforming to EN 166

## 9 **Physical and chimica properties**

### 9.1 **Information on basic physical and chemical properties**

<i>Appearance</i>	Solid, white colour for normal boards Solid, pale blue colour for boards with reduced water absorption rate
<i>Decomposition temperature</i>	$\text{CaSO}_4 + \text{H}_2\text{O}$ about $140^\circ\text{C}$ $\text{CaO} + \text{SO}_3$ about $1000^\circ\text{C}$
<i>Flammability</i>	Not flammable
<i>Explosion Data</i>	Not applicable

### 9.2 **Other information**

None

## 10 **Stability and reactivity**

### 10.1 **Reactivity**

No materials to avoid known.

### 10.2 **Chemical stability**

Keep dry. Stable under normal storage conditions.

### 10.3 **Possibility of hazardous reactions**

Mixing with an aqueous solution of sodium carbonate will result in the formation of carbon dioxide.

### 10.4 **Conditions to avoid**

Stable if stored in dry conditions.

### 10.5 **Incompatible materials**

None known.

### 10.6 **Hazardous decomposition products**

Decomposition takes place from temperatures above 1000 °C in calcium oxide and sulfur dioxide.

## 11 **Toxicological information**

### 11.1 **Information on toxicological effects**

No toxicological test has been completed on the product itself

### **LD/LD50 Calcium Sulphate, main component**

Acute oral toxicity: LD50 oral rat > 1581 mg/kg - according to guideline OECD 420

Acute inhalative toxicity: LD50 oral rat > 2,61 mg/L - according to guideline OECD 403

Skin irritation: No irritation for rabbit - according to guideline OECD 404

### **Sensitization**

No effect anticipated. Not hazardous by OSHA criteria.

## 12 **Ecological information**

### 12.1 **Toxicity**

No data available

### 12.2 **Persistence and degradability**

No data available

### 12.3 **Bioaccumulative potential**

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**

Product is not allowed to discharge into aquatic environment.

## 13 **Disposal considerations**

### 13.1 **Waste treatment methods**

Keep out of drains, ditches and waterways. Wastes from gypsum are normally classified as not hazardous. Do not co-dispose with municipal waste, but dispose at an authorized site in accordance with local Environmental Regulations. In EC use European Waste Code 17 08 02.

Not contaminated packaging can be recycled.

## 14 **Transport information**

Not classified as dangerous in terms of transport regulations (IMDG, ADR, RID, IACO/IATA)

### 14.1 **NU number**

Not to apply

### 14.2 **NU proper shipping name**

Not to apply

### 14.3 **Transport hazard class**

Not to apply

### 14.4 **Packing group**

Not to apply

### 14.5 **Environmental hazard**

Not to apply

### 14.6 **Special precaution for users**

Not to apply

### 14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code**

Not to apply

## 15 Regulation information

### 15.1 Safety, health and environment regulations/legation specific for the mixture

#### National Regulations:

Italy *Decreto Legislativo n. 81/2008*

Users must observe the measures of their own workplace health and safety risk assessment. Regarding personal protection devices, see Section 8.

### 15.2 Chemical safety assessment

No safety assessment has been accomplished on the product itself.

## 16 Other information

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This product is manufactured under a quality system certified as conforming with ISO 9001 and complies with EN 15283-2: *Gypsum boards with fibrous reinforcement – Definitions, requirements and test methods*

This MSDS is a translation of the Italian version and refers to the legal requirements in Italy

### 16.1 List of modify

### 16.2 Abbreviations and Acronyms

TWA:	Time Weighted Average
LD50:	Median Lethal Dose
OECD:	Organisation for Economic Cooperation and Development
PBT:	Persistent, Bioaccumulative, Toxic chemical
vPvB:	very Persistent, very Bioaccumulative chemical
IMDG:	International Maritime Dangerous Goods
ADR:	Agreement on the transport of Dangerous goods by Road
RID:	Regulations on the International transport of Dangerous goods by Rail
IATA:	International Air Transport Association