

# MAGOXX<sup>®</sup> Board

safe, smart and sustainable

## Material safety & data sheet

This material safety & data sheet (MSDS) provides technical information, handling advice and safety related information about MAGOXX Board.

### 1. Product identification

MagOXX Board contains the substances as detailed below:

### 2. Composition

- Magnesium Oxide - MgO
- Magnesium Sulfate - MgSO<sub>4</sub>
- Magnesium Chloride - MgCl<sub>2</sub>
- Saw dust
- Perlite
- Fibre glass mesh
- Non-woven fabric

### 3. Hazard identification

Non-toxic, non explosive, and is not a fire hazard.

### 4. First aid measures

**Eye Contact:** Remove contact lens. Flush eye immediately with water or physiological saline for at least 15 minutes. If irritation continues, seek medical advice.

**Skin Contact:** Wash the skin with mild soap and water. Contact physician if irritation continues.

**Inhalation:** Take exposed person to fresh air.

**Ingestion:** Drink plenty of water. Do not induce Vomiting. Seek medical attention.

**Chronic effects:** repeated and prolonged exposure to dust can cause an increased risk of bronchitis and can lead to pneumonia

**Information:** Show this document (MSDS) to the doctor or the casualty department

### 5. Fire fighting measures

- Fire Precautions: No special precautions required
- Firefighting Equipment: Not applicable
- Fire and Explosion Hazard : Not applicable
- Flash Point : Not applicable
- Auto-Ignition: Not applicable
- Extinguishing Media: This material is non Combustible and Self Extinguishing
- Appropriate extinguisher media should be used for surrounding fire

### 6. Accidental release measures

No special precautions are required to pickup dropped product. Cleanup procedure: A water spray may be used to suppress dust when sweeping.

Industrial Vacuum Cleaner out fitted with a high efficiency filter is recommended over sweeping.

### 7. Handling and Storage

**Handling:** It is preferred to follow engineering practice to control dust emissions. Wherever possible practices likely to generate dust should be carried out in well ventilated area (i.e outside). Effective exhaust ventilation must be in place when drilling or cutting. Avoid inhalation of dust. The use of dust reducing circular saw equipped with appropriate blade and vacuum extraction is recommended. Care should be taken when handling heavy boards. The boards are non load bearing.

**Storage:** Pallets should be stored on flat surface, in a dry, covered, frost proof and well ventilated area. It is preferred that during transport the products should be covered.

### 8. Exposure controls / Personal protection

**Eyes:** Use safety goggles/glasses suitable for dust protection while cutting/drilling.

**Skin:** Wear a long sleeved shirt, long trouser, a cap and gloves to avoid direct skin contact with dust and debris.

**Inhalation:** If engineering controls and work practice are not effective in controlling dust emissions then wear suitable, approved personal protective equipment; i.e mask with dust filter type P2 (for fine dust) may be appropriate. Filters have an expiry date and may need replacement. Read the suppliers' information.

**Workplace:** If dust is generated during work. The work area should be well ventilated and should be equipped with dust collector.

## 9. Physical and chemical properties

- Appearance : White coloured
- Physical state: Solid boards
- Odor : None
- Average density : 1.00 gm/cc
- Boiling point : Not relevant
- Melting point : Not relevant
- Flash point : Not relevant
- Flammability : Not relevant
- Auto ignition temperature : Not relevant
- Solubility in water : Not relevant
- Explosive : Not applicable
- Vapor pressure : Not applicable
- pH : 9.0
- Reactivity : None
- Viscosity : Not applicable

## 10. Stability and reactivity

MAGOXX Board is stable in ordinary conditions.

Materials to Avoid: Hydrofluoric acid will dissolve Magnesium Oxide and cangenerate Magnesium Chloride fumes.

Avoid excessive dust generation, without proper dust mask protection.

## 11. Toxicological information

MAGOXX Board is non toxic in its intact form.

**Eyes:** Dust particles may cause temporary irritation and watering of the eyes.

**Skin Contact:** Dust may cause irritation of skin from friction None anticipated.

**Inhaled:** Dust may result in irritation of the nose and throat.

**Ingestion:** Swallowing dust may cause mild discomfort and irritation in mouth.

**Inhaled Chronic Effect:** Repeated and prolonged overexposures to dust may cause increased risk of bronchitis and may lead to inflammation of the human lungs.

## 12. Ecological information

As Magnesium Oxide is natural mineral hence no significant adverse effect.

## 13. Disposal considerations

Waste Disposal: Magnesium Oxide Boards are non a hazardous waste. Treat any collective dust as construction industry waste in accordance with local legislations.

Treat any collective dust in a way that prevents further exposures.

## 14. Transport information

No special requirements is needed for transport of MAGOXX Board.

## 15. Regulatory information

DOT Hazard Classification : None, not a hazardous material.

Placard requirement : Not a Dot hazardous material.

CERCLA Hazardous Substance ( 40 CFR Part 302)

- Listed Substance – No.
- Unlisted substance – No
- Reportable quantity – None.
- Waste Number – Not Applicable.

## 16. Other information

Fields of Application: MAGOXX Board for use in construction industry.

Requirements concerning special training: No special training necessary. The worker shall be fully instructed in the conduct of the job and be informed of the contents of this document (MSDS).

This form has been prepared to meet current Federal OSHA hazard communications regulations and is offered without any warranty or guarantee of any type. Fornatec GmbH cannot control the use of its products and therefore specially disclaim liability and responsibility arising from the use, misuse, and the alteration of its products.

Fornatec GmbH believes the information in this MSDS is based upon scientific and test data.

Fornatec GmbH require that purchasers or applying agents comply in full with all applicable Federal, Provincial, State, Territory and local health and safety laws, regulations, orders, requirements, and strictly adhere to all instructions and warnings which accompany MAGOXX Board.

## 17. Technical support

For more information and/or technical support please visit our website [www.fornatec.de](http://www.fornatec.de) or contact us at [info@fornatec.de](mailto:info@fornatec.de).

