

**SECTION 1: PRODUCT IDENTIFICATION**

**Product Name:** Tamlyn MgO Panel

**Product Form:** Board/Panel

**Product Identifier:** Innovation MgO 1/2" Wall Panels

**Product Use:** Exterior/interior structural/non-structural sheathing, wallboard, fire-resistant wall assemblies

**SECTION 2: HAZARD(S) IDENTIFICATION**

**Mixture Classification**

Not classified as carcinogen. No known toxicity effects.

**Precautionary Statements**

- **Eyes:** Dust and chip form - irritation hazard
- **Inhalation:** Dust and chip form - irritation hazard
- **Skin:** Fiberglass mesh may cause itching/irritation when cut
- **Ingestion:** No known hazard
- **Carcinogen:** Not classified as carcinogen. No known toxicity effects.
- **Emergency Overview:** Prolonged exposure to dust whilst cutting may be irritating to eyes, noses, and throat. Score and snap generates less dust.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixture**

Chemical Name	%	Chemical Name	%
Magnesium Oxide (MgO)	42-61.5	Recycled Filtered Wood Shaving	2-7
Magnesium Chloride (MgCl <sub>2</sub> )	35-56	Phosphate (PO <sub>4</sub> )	1-3
Perlite	1-6	Fiberglass Mesh	1-3

**SECTION 4: FIRST AID MEASURES**

**Description of First Aid Measures**

- **General Advice:** Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
- **Eye Contact:** Check for and remove any contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if there is an uncomfortable sensation.

- **Skin Contact:** Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if there is an uncomfortable sensation.
- **Ingestion:** Rinse mouth and seek medical attention if symptoms occur.
- **Inhalation:** Move victim into fresh air. If not breathing, give artificial respiration and consult a physician immediately.
- **Protecting of First-Aiders:** Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### **Most Important Symptoms, Acute, and Delayed**

Medical conditions generally aggravated by:

- Exposure
- Asthma: Inhalation of dust

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing Media**

Product does not ignite. Use fire extinguishing media appropriate for surrounding materials.

### **Specific Hazards Arising From the Substance or Mixture**

Cool local surface with water. Product will not be hot to touch even after intense heat exposure.

### **Fire Precautions and Protective Measures**

- As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- Fight fire from a safe distance with adequate cover.
- Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

- Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- Use personal protective equipment and do not breathe dust/fume.

### **Environmental Precautions**

- Prevent further leakage or spillage if safe to do so.
- Discharge into the environment must be avoided.

### **Methods and Materials for Containment and Cleaning Up**

- Dust and chips should be swept, scooped, and vacuumed for removal.
- Adhered or collected material should be promptly disposed of in accordance with appropriate laws and regulations.

**SECTION 7: HANDLING AND STORAGE**

**Precaution and Safe Handling**

- Handling is performed in a well ventilated place.
- Use work method to minimize the creation of dust and wear appropriate personal protective equipment
- Wash hands after use and practice good industrial hygiene practice
- Ensure that forklift or similar equipment is rated as capable of lifting and moving loads . Forks should extend completely under the entire load. Forks should be extended as wide as practical. Panels are heavy, awkward loads and pose the risk of severe back injuries. Always use proper lifting techniques.

**Conditions of Safe Storage, Including and Incompatibilities**

- Keep panels in a dry, cool and well-ventilated environment.
- Panels should be stored on the manufacturer’s pallet off the ground until ready for use.
- Keep away from standing water.
- Cover panels with waterproof materials when stored outdoors or on site to protect weather, direct sunlight, surface contamination, and construction traffic.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits**

- Occupational Exposure Limits US OSHA Table Z-1 Limits for Air Contaminants

Components	CAS#	OSHA PEL Value	Form
<b>Magnesium Oxide</b>	1309-48-4	15 mg/m <sup>3</sup>	Nuisance Particulate
<b>Perlite</b>	130885-09-5	5 mg/m <sup>3</sup>	Nuisance Dust
<b>Fiberglass Mesh</b>	65997-17-3	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	Total Dust Respirable Fraction

- US ACGIH Threshold Limit Values

Components	CAS#	ACGIH-TLV Value	Form
<b>Magnesium Oxide</b>	1309-48-4	10 mg/m <sup>3</sup>	Nuisance Particulate
<b>Perlite</b>	130885-09-5	10 mg/m <sup>3</sup>	Nuisance Dust
<b>Fiberglass Mesh</b>	65997-17-3	5 mg/m <sup>3</sup> 1 f/cc	Inhalable Respirable Fraction

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

**Appearance:** Solid Sheet Material

**Physical State:** Solid

**Odor:** Not applicable

**Density:** 2-3 lb/ft

**Odor Threshold:** Not applicable

**pH:** Non-Soluble

**Melting Point/Freezing Point(°C):** Not applicable

**Initial Boiling Point and Boiling Range(°C):** Not applicable

**Flash Point(Closed Cup,°C):** Not applicable

**Evaporation Rate:** Not applicable

**Flammability:** Not applicable

**Upper/Lower Explosive Limits[%(v/v)]:** Upper limit: No information available; Lower limit: No information available

**Vapor Pressure:** Not applicable

**Vapor Density(Air=1):** Not applicable

**Relative Density(Water=1):** Not applicable

**Solubility (Water):** Non-soluble

**n-Octanol/Water Partition Coefficient:** Not applicable

**Auto-Ignition Temperature(°C):** Not applicable

**Decomposition Temperature(°C):** Unknown

**Kinematic Viscosity:** Not applicable

**Bulk Density:** 2-3 lb/ft

**Particle Size:** Varies

**VOC (Weight %):** 0%

## SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Contact with incompatible substances can cause decomposition or other chemical reactions.
- **Chemical Stability:** Stable under proper operation and storage conditions.
- **Possibility of Hazardous Reactions:** The substance contains a certain amount of water and may release hydrogen gas in contact with active metals.
- **Conditions to Avoid:** Incompatible materials, heat, flame and spark.
- **Incompatible Materials:** Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
- **Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

- **Acute Toxicity:** Non-Hazardous
- **Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:** Stable under proper operation and storage conditions.

### Information on Likely Routes of Exposure

- **Ingestion:** Not likely due to form product
- **Inhalation:** Mechanical sawing may generate dust. Dust has an irritant action on mucous membranes of the upper respiratory tract and eyes.
- **Skin Contact:** Under normal conditions of intended use, this material does not pose a skin hazard
- **Eye Contact:** Mechanical sawing may generate dust. Direct contact with eyes may cause temporary irritation. Under normal conditions of intended use, this material does not pose a risk to health.

## SECTION 12: ECOLOGICAL INFORMATION

- **Toxicity:** Components are not classified as environmentally hazardous.
- **Persistence and Degradability:** Not applicable
- **Bioaccumulative Potential:** Not applicable
- **Mobility in Soil:** Not applicable
- **Other Adverse Effects:** No known effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

- **Disposal Instructions:** Dispose of in accordance with applicable federal, state, and local regulations. Recycle responsibly.
- **Local Disposal Regulations:** Dispose of in accordance with local regulation.
- **Hazardous Waste Code:** No applicable.
- **Waste from Residues/Unused Products:** Dispose in accordance with local regulations.
- **Contamination packing:** Dispose in accordance with local regulations.

## SECTION 14: TRANSPORT INFORMATION

- **DOT:** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
- **IMDG-CODE:** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
- **IATA-DGR:** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
- **UN-ADR:** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
- **Transport in Bulk According to Annex II or MARPOL 73/78 and in the IBC Code:** Not applicable. Product is solid, therefore bul transport is governed by IMSBC Code.

### **Others**

- **Methods of Packing:** Packaging as recommended by manufacturer.
- **Precautions for Transport:** Vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking the integrity and sealing of the container. The transport unit must be placarded and marked in accordance with relevant transporting requirements.

## **SECTION 15: REGULATORY INFORMATION**

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## **SECTION 16: OTHER INFORMATION**

### **Disclaimer**

The opinions expressed herein are those of qualified experts within R.H. Tamlyn & Sons, Inc. We believe the information contained herein is current as the date of this MSDS. Since the use of the product is not within the control of R.H. Tamlyn & Sons, Inc. it is the user's obligation to determine the conditions of safe use.

PREPARED BY: R.H. Tamlyn & Sons, Inc

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