

Innovation MgO 1/2" & 3/4" Subfloor Panels

SECTION 1.0 – IDENTIFICATION			
1.1 Product Identifier			
Product Form	Board/Panel		
Product Identifier	Innovation MgO 1/2" & 3/4" Subfloor Panels		
1.2 Product Use			
Exterior/Interior structural/non-structural sheathing, wallboard, fire-resistant wall assemblies			
1.3 Product Supplier			
Distribution	US MgO Company 9600 Ploof Road SE Building 16 Leland, NC 28451	W: www.USMgO.co E: Info@USMgO.co P: 1-855-MGO4YOU (646-4968)	
1.4 Emergency Contact			
Contact your local emergency services.			
SECTION 2.0 – HAZARD(S) IDENTIFICATION			
2.1 Mixture Classification			
Carcinogen	Not classified as carcinogen. No known toxicity effects.		
2.2 Label Elements			
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, nose, and throat. Score and snap generates less dust.		
2.3 Other Hazards			
No data available.			
2.4 Unknown Acute Toxicity (GHS-US)			
No data available.			
SECTION 3.0 – COMPOSITION/INFORMATION ON INGREDIENTS			
3.1 Substance			
Not applicable.			
3.2 Mixture			
Chemical Name	%	Chemical Name	%
Magnesium Oxide (MgO)	42-61.5	Recycled Filtered Wood Shavings	2-7
Magnesium Chloride (MgCl ₂)	35-56	Phosphate (PO ₄)	1-3
Perlite	1-6	Fiberglass Mesh	1-3
SECTION 4.0 – FIRST AID MEASURES			
4.1 Description of First-Aid Measures			
First-aid measures after inhalation	Move to fresh air environment. Contact physician if irritation persists.		
First-aid measures after skin contact	Wash with soap and water.		
First-aid measures after eye contact	Check for and remove any contact lenses. Immediately flush eyes with clean water. Contact physician if irritation persists.		
First-aid measures after ingestion	Rinse mouth and seek medical attention if symptoms occur.		
4.2 Most Important Symptoms and Effects, Both Acute and Delayed			
Medical Conditions Generally Aggravated by			
Exposure	Asthma: Inhalations of dust.		
4.3 Indication of Any Immediate Medical Attention and Special Treatment Required			

No additional information available.

SECTION 5.0 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

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

5.2 Special Hazards Arising from the Substance or Mixture

Special Fire Fighting Procedures | Local surfaces may be cooled with water, but product will not be hot to the touch even after intense heat exposure.

Section 5.3 Advice for Firefighters

Panel is non-flammable and non-combustible.

SECTION 6.0 – ACCIDENTAL RELEASE MEASURES

6.1.1 For Non-Emergency Personnel

See Section 8 of the SDS for Personal Protective Equipment.

6.1.2 For Emergency Responders

See Section 8 of the SDS for Personal Protective Equipment.

6.2 Environmental Precautions

No specific clean-up procedure noted.

6.3 Methods and Material for Containment and Cleaning Up

Dust and chips may be swept, scooped, and/or vacuumed for removal.

6.4 Reference to Other Sections

No additional references.

SECTION 7.0 – HANDLING AND STORAGE

7.1 Precautions and Safe Handling

Use work methods that minimize the creation of dust. Try to avoid the inhalation of dust wherever possible. Wear appropriate personal protective equipment. Wash hands after use. Observe good industrial hygiene practices. 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 injury. Always use proper lifting techniques.

7.2 Conditions of Safe Storage, Including any Incompatibilities

Panel should be stored in a cool dry environment and should remain in the manufacturer's packaging bearing the brand name and manufacturer's logo and Listing Number until ready for use. Panel should be stored on the manufacturer's pallets off the ground and away from standing water. Cover with a waterproof material when stored outdoors or on site to protect against weather, direct sunlight, surface contamination and construction traffic.

7.3 Specific End Use(s)

No additional information available.

SECTION 8.0 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limits

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

Components	CAS #	OSHA PEL Value	Form
Magnesium Oxide	1309-48-4	15 mg/m ³	Nuisance particulate
Perlite	130885-09-5	5 mg/m ³	Nuisance dust
Fiberglass mesh	65997-17-3	15 mg/m ³ 5 mg/m ³	Total dust Respirable fraction

US ACGIH Threshold Limit Values

Components	CAS #	ACGIH-TLV Value	Form
Magnesium Oxide	1309-48-4	10 mg/m ³	Nuisance particulate
Perlite	130885-09-5	10 mg/m ³	Nuisance dust
Fiberglass mesh	65997-17-3	5 mg/m ³ 1 f/cc	Inhalable Respirable fibers

SECTION 9.0 – PHYSICAL/CHEMICAL CHARACTERISTICS

9.1 Information and Basic Physical and Chemical Properties



Appearance	Solid sheet material
Physical State	Solid
Form	Board/Panel
Color	White/Off-White
Odor	None
Odor Threshold	Non applicable
pH	Non-Soluble
Melting Point/Freezing Point	Not applicable
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limits	Not applicable
Flammability Limit – Lower (%)	Not applicable
Flammability Limit – Upper (%)	Not applicable
Explosive Limit – Lower (%)	Not applicable
Explosive Limit – Upper (%)	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Density	2-3 lb/ft
Solubility (Water)	Non-soluble
Partition Coefficient (n-octanol/water)	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Unknown
Viscosity	Not applicable
Bulk Density	2-3 lb/ft
Particle Size	Varies
VOC (Weight %)	0%

Section 9.2 Other Information

None

SECTION 10.0 – STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical Stability

Material is stable under normal conditions.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

10.4 Conditions to Avoid

No known conditions.

10.5 Incompatible Materials

No known substances.

10.6 Hazardous Decomposition Products

No known conditions.

SECTION 11.0 – TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity	Non-Hazardous.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	Under normal conditions of intended use, this material does not pose a risk to health.
<u>Information on Likely Routes of Exposure</u>	
Ingestion	Not likely due to form of 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 12.0 – ECOLOGICAL INFORMATION

12.1 Toxicity

Components are not classified as environmentally hazardous.

12.2 Persistence and Degradability

Not applicable.

12.3 Bioaccumulative Potential

Not applicable.

12.4 Mobility in Soil

Not applicable.

12.5 Other Adverse Effects

No known effects.

SECTION 13.0 – DISPOSAL CONSIDERATIONS

13.1 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 regulations. Recycle responsibly.
Hazardous Waste Code	Not applicable.
Waste from Residues/ Unused Products	Dispose of in accordance with local regulations. Recycle responsibly.
Contaminated packing	Dispose of in accordance with local regulations. Recycle responsibly.

SECTION 14.0 – TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods. Non-hazardous.
IATA	Not regulated as dangerous goods. Non-hazardous.
IMDG	Not regulated as dangerous goods. Non-hazardous.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	Not applicable. Product is solid, therefore bulk transport is governed by IMSBC Code.

SECTION 15.0 - REGULATORY INFORMATION

DOT	Not regulated as dangerous goods. Non-hazardous.
IATA	Not regulated as dangerous goods. Non-hazardous.
IMDG	Not regulated as dangerous goods. Non-hazardous.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	Not applicable. Product is solid, therefore bulk transport is governed by IMSBC Code.

SECTION 16.0 – OTHER INFORMATION

This material is categorized as non-hazardous for transportation purposes. The information contained herein is accurate to the best of all available knowledge at the time of printing. Hazardous conditions due to alterations of the material have not been established. The information contained in the Safety Data Sheet is furnished in good faith and without warranty, representations, or inducement of license of any kind, except that it is accurate to the best of US MgO Company's knowledge or was obtained from sources believed by US MgO Company to be reliable. The accuracy, adequacy, or completeness of health and safety precautions set forth herein cannot be guaranteed, and the buyer is solely responsible for ensuring that the product is used, handled, stored, and disposed of safely and in compliance with applicable local laws and regulations. US MgO Company disclaims any liability for loss, damage, or personal injury that arises from, or is in any way related to the use of the information contained in this Safety Data Sheet.



This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada). To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.