



Multi-Panels
GREEN AND FIREPROOF CONSTRUCTION

MSDS

Material Safety Data Sheet
Magnesium Oxide Boards

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Section 1 : Chemical Product and Company Identification

Product Names/Trade Names	M4-Exterior Sheathing, M4 Roof Panel
Chemical Family	Magnesium Oxide
Formula	Not Applicable
Telephone (General Information)	+1 800 723 8620
Emergencies	911
Manufacturer Name	Multi-Panels Corporation
Manufacturer Address	7825 Fay Avenue, Suite 200 La Jolla, California 92037

*In Case of an emergency involving spills, leaks, fire exposure, or accidents related to these products call 911. After the proper authorities are notified to address immediate dangers, please contact us.

Section 2 : Composition / Information on Ingredients

Substance Name	UN #	CAS #	% by weight range
Magnesium Oxide	Not a hazardous material for shipping	1309-48-4	50 – 65%
Magnesium Sulfate	Not a hazardous material for shipping	7786-30-3	20 – 30%
Linking Composite	Not a hazardous material for shipping	NA	< 15%
Perlite	Not a hazardous material for shipping	93763-70-3	< 10%
Cellulose	Not a hazardous material for shipping	9004-34-6	< 5%
Water	Not a hazardous material for shipping	7732-18-5	< 18%
Fiber Glass mesh	Not a hazardous material for shipping	65997-17-3	< 10%

Section 3 : Physical Data

Boiling Point	N/A
Vapor Pressure @ 20°C	None
Vapor Density @ 1 Atmosphere	None
Specific Gravity	>1
pH	11
Percent Volatile by Volume	0
Appearance	Light white powder
Odor	Slight cement odor
Evaporation Rate	N/A
Physical State	Solid Powder
Solubility	Insoluble in Water
Flash Point	N/A

Section 4 : Health Hazard Data

Potential effect of single (Acute Over exposure)

Eye : May cause abrasions of the cornea.

Skin : May result in redness and dermatitis; prolonged exposure may cause dry skin.

Ingestion : Single dose oral toxicity is low.

Inhalation : Immediately remove victim to fresh air, seek competent medical attention immediately. If breathing has stopped call 911 and give artificial respiration. An authorized person should administer oxygen to victim who is having difficulty breathing until normal breathing has resumed.

Medical Conditions Generally Aggravated by Exposure : The condition of individuals with lung disease (e.g., bronchitis, emphysema, chronic obstructive pulmonary disease) can be aggravated by exposure.

Section 5 : First Aid Measures

Specialized First Aid and Medical Treatment Are Required For All Exposures.

Eyes : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek immediate medical attention.

Ingestion : Give one or two glasses of water or milk and induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Inhalation : Move to fresh air. Get competent medical attention immediately. If breathing has stopped start artificial respiration and call 911 at once. An authorized person should administer oxygen to the victim who is having difficulty breathing until the victim is able to breathe easily on his/her own.

Notes to Physician : Treat symptomatically.

Section 6 : Fire Fighting Measures

General Information : This material is not flammable, combustible or explosive.

Extinguishing Media : Not applicable

Section 7 : Accidental Release Measures

Spills/Leaks : Use dustless methods (vacuum) and place into closable container for disposal, or flush with water. Do not dry sweep.

Handling : Do not breathe dust. Use adequate ventilation and dust collection. Keep Airborne dust concentrations below Permissible Exposure Limit (PEL). Do not rely on your sight to determine if dust is in the air.

Storage : Not applicable

Section 8 : Exposure Controls, Personal Protection Equipment

OSHA allowed Exposure standards (PEL):

Exposures shall not exceed 8 hours weighted average for mineral dusts – for more information as stated in 29 CFR 1910.1000 table Z-3.

Substance Name	TLV mg/m3	PEL mg/m3	Total dust	Respirable
Magnesium Oxide	15 mg/m3	15 mg/m3	10 mg/m3	0.05 mg/m3
% MgO	15 mg/m3	15 mg/m3	15 mg/m3	5 mg/m3
Magnesium sulfate	15 mg/cm3	15 mg/m3	15 mg/m3	5 mg/m3
MgSo4.7H2O	15 mg/m3	15 mg/m3	15 mg/m3	5 mg/m3
Cellulose	-	-	15 mg/m3	5 mg/m3
Others	10 mg/m3	-	15 mg/m3	5 mg/m3
Perlite	15 mg/cm3	15 mg/m3	15 mg/m3	5 mg/m3
Linking components and glass fiber mesh	10 mg/m3	15 mg/m3	15/mg/m3	5 mg/m3

Engineering Controls : Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limit.

Personal Protective Equipment

Eyes : At a minimum wear safety goggles (plastic lenses) or full-face plastic shield when cutting material in compliance with ANSI standard Z87.1-1-1989. Do Not wear contact lenses.

Skin : Wear appropriate protective clothing to prevent skin exposure.

Clothing : Wear appropriate protective clothing to prevent skin exposure.

Respirators : You should always wear a NIOSH approved dust mask. This is recommended when sanding, cutting, drilling, cleaning up, etc. Always use approved vacuum extraction.

Section 9 : Stability and Reactivity

Chemical Stability : Stable under normal temperature and pressures.

Conditions to Avoid : None

Hazardous Decomposition Products : None

Hazardous Polymerization : Will not occur

Section 10 : Regulatory information

RCRA D Series : None Listed

RCRA F Series : None Listed

RCRA P Series : None Listed

RCRA U Series : None Listed

Listed HMIS & NFPA Information

Health	: 1	Flammability	: 0
Reactivity	: 0	SARA:Corrosivity	: 0

TSCA

None of the chemicals in this product are on the health and safety list.

Chemical Test Rules, none of the chemicals in this product are under a chemical Test Rule.

Clean Air Act

Reportable quantity: None of the chemicals in this product have RQ amounts. None of the chemicals in this product have a TPQ.

OSHA : This material does not contain any hazardous air pollutants. This material does not contain any class 1 ozone depleters. This material does not contain any class 2 ozone depleters.

None of the chemicals in this product are considered highly hazardous by OSHA.

Section 11 : Toxicological Information

This product is not toxic in its intact form. There are no special requirements for storage and transport. The product is not a RCRA hazardous waste.

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.

Failure to follow the MSDS and Instruction Manual may lead to serious injury or even death.