



**Multi-Panels**  
GREEN AND FIREPROOF CONSTRUCTION

**MSDS**

**Material Safety Data Sheet**  
**XPS Boards**

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## Section 1 : Chemical Product and Company Identification

<b>Product Names/Trade Names</b>	<b>XPS Tile Backer Panel, XPS Shower Tray, XPS Shapeable Panel, XPS Underlayment for Floor Heating</b>
Chemical Family	XPS – Polystyrene Rigid Foam
Formula	Not Applicable
Telephone (General Information)	+1 800 723 8620
Telephone (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

<b>Substance Name</b>	<b>UN #</b>	<b>CAS #</b>	<b>% by weight range</b>
Polystyrene – Rigid foam - XPS	Not a hazardous material for shipping	3194-55-6/ 25637-99-4: N; R50/53 content > 0.1% Contains 1,2,5,6,9,10 Hexabromocyclododecane	80 – 90%
Fiber Glass mesh with MgO cement and flame retardant finishing	Not a hazardous material for shipping	65997-17-3 65977-15-1	< 10%

## Section 3 : Physical Data

Boiling Point	572 Fahrenheit
Vapor Pressure @ 68°F	None
Vapor Density @ 1 Atmosphere	None
Specific Gravity	>1
pH	11
Percent Volatile by Volume	0
Appearance	Light blue or pink core - grey surfaces
Odor	Odorless
Evaporation Rate	N/A
Physical State	Solid
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.

**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.

**After swallowing:** 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 beathing has stopped, start artificial respiration at once. An authorized person should administer oxygen to 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

**Suitable Extinguishing Media:** Water fog - fine spray, dry chemical powder, carbon dioxide.

**Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**Fire and Explosion Hazards:** Container may vent and/or rupture due to fire. When product is stored in closed containers, a flammable atmosphere can develop. Mechanical cutting, grinding or sawing can cause formation of dust. To reduce the potential for dust explosion, do not permit dust to accumulate. This product contains a flame retardant to inhibit accidental ignition from small fire sources. This plastic foam product is combustible and should be protected from flames and other high heat sources. Dense smoke is produced when product burns.

**Hazardous Combustion Products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. In smoldering or flaming conditions, carbon monoxide, carbon dioxide and carbon may be generated and may form styrene, ethylbenzene, aldehydes, hydrogen bromide aromatic hydro.

## 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. Please observe generally defined limit for XPS dust: 15 mg/m<sup>3</sup> (total dust) and 5 mg/m<sup>3</sup> (respirable)

**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 in compliance with ANSI standard Z88.2. This is recommended when sanding, cutting, drilling, cleaning up, etc. Always use approved vacuum extraction.

## Section 9 : Stability and Reactivity

<b>Chemical Stability</b>	: Stable under normal temperature and pressures.
<b>Conditions to Avoid Contact with</b>	: Aldehydes, fuel, oxidizing solvent
<b>Hazardous Decomposition Products</b>	: None
<b>Hazardous Polymerization</b>	: Will not occur

## Section 10 : Regulatory information

<b>RCRA D Series</b>	: None Listed
<b>RCRA F Series</b>	: None Listed
<b>RCRA P Series</b>	: None Listed
<b>RCRA U Series</b>	: None Listed

### Listed HMIS & NFPA Information

Health	: 0	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 but 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 responsibility solely 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. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED

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