

MATERIAL SAFETY DATA SHEET

PRODUCT & COMPANY IDENTIFICATION

Product Identifier: Polyboard
General Use: Transportation, Farming, Playground, Flooring
Product Description: Plastic Composite Board

COMPOSITION/INFORMATION ON INGREDIENTS

Component A	approx. 60 – 80%	Polyethylene
Component B	approx 4 - 8 %	Polypropylene
Component C	approx. 0 – 10%	Wood Flour
Component D	approx. 10 - 30%	Cellulose
Component E	approx. 2%	Others (mainly colourant)

HAZARDS IDENTIFICATION

Emergency Overview: Odourless, natural or coloured boards. Can burn in fire.

POTENTIAL HEALTH EFFECTS

Inhalation: N/A

Eye Contact: In dust form, may cause irritation or scratch the surface of the eye

Skin Contact: Not irritating. Rubbing may cause irritation similar to sand or dust

Skin Absorption: Unlikely to occur. Material is solid.

Ingestion: Material is believed to cause very little hazard if swallowed.

Chronic: This product has not been tested for toxicological effects.

Carcinogenicity Data: This product's ingredients are not listed as carcinogens by NTP (National Toxicology Program) or regulated as carcinogens By the Occupational Safety and Health Administration.

FIRST AID MEASURES (Applicable to the product in form of small particles or dust)

Inhalation: No adverse effects anticipated by breathing small amounts during proper industrial handling.

Eye Contact: Flush eyes with water for a least five minutes or until irritation subsides. If irritation persists get medical attention.

Skin Contact: Flush with large amounts of water. Use soap if available. Remove Severely contaminated clothing (including shoes) and wash before Reuse. If irritation persists, seek medical attention.

Ingestion: No adverse effects anticipated by swallowing.

FIRE FIGHTING MEASURES

Flash Point and method: N/A
Flammable Limits: N/A
Auto/Ignition Temperature: 644-653 degrees Fahrenheit for Polyethylene fraction.
Burn Rate: .15 (in./min.) Test performed in accordance with FMVSS no.302.

Fire Fighting Instructions: Either allow fire to burn out under controlled conditions or extinguish with foam or dry chemical. Use water spray to cool fire exposed surface. Shut off fuel to fire if possible to do so without hazard.

Extinguishing Media: Water fog, foam, CO2 dry chemicals. Apply aqueous film forming (AFF) in the form of a fog for large fires. Use carbon dioxide or dry chemical media for small fires.

Fire Fighting Equipment: Respiratory and eye protection required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of SCBA may not be required.

HAZARDOUS COMBUSTION PRODUCTS

Dense smoke emitted when burned without sufficient oxygen. Irritable gases will be released when product is exposed to temperatures over 572 degrees Fahrenheit/300 degrees Celsius.

Accidental Release Measures: (Applicable to the product in form of small particles or dust.) Vacuum and sweep material and place in a disposal container.

Handling & Storage:

Storage Temperature	Ambient
Storage Pressure	Atmospheric
General	Avoid breathing dust/contact with eyes. Minimize Dust accumulation. Store in a cool, well ventilated

Place away from heat, sparks and flame.

EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Respiratory Protection:</u>	For most conditions, no respiratory protection should be needed. In a dusty atmosphere, use approved dust respirator.
<u>Skin Protection:</u>	No precautions other than clean body covering clothing should be needed.
<u>Eye Protection:</u>	If there is a potential for exposure to particles, which could cause mechanical injury to the eye, wear safety glasses.
<u>Exposure Guidelines:</u>	Not established.
<u>Engineering Controls:</u>	In confined spaces the use of local exhaust ventilation is recommended. Regular ventilation should be sufficient for most conditions.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Board
Odour	None
Specific Gravity	1.004 kg/m ³ at 25 degrees Celsius
Solubility in Water	Insoluble
Soluble Matter	up to .5%
Volatile Content	None
PH	Neutral
Boiling Point	N/A
Melting Point	Softens partially/polyethylene fraction melting at 250 degrees Fahrenheit.
Physical State	Solid

STABILITY & REACTIVITY

General:	This product is stable at ambient conditions.
<u>Incompatible Materials or Conditions to Avoid:</u>	Oxidizing materials
<u>Hazardous Decomposition:</u>	Starts to decompose above 280 degrees Celsius/536 Fahrenheit. Hazardous gases may evolve (Carbon monoxide)

TOXICOLOGY INFORMATION

From the analysis for metallic constituents and corrosive acid radicals, no significant concentrations of any leachable toxic substance were found.

ECOLOGICAL INFORMATION

In tests of *Polyboard* in distilled water, no significant concentration of any leachable toxic substances was found.

DISPOSAL CONSIDERATIONS

Consult an expert on the disposal for recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local regulations.

TRANSPORT INFORMATION

Not a hazardous material for DOT (Department of Transport) shipping.

REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)
Components of this product are not listed in the TSCA inventory.

CRCLA (Comprehensive Response Compensation and Liability Act) NOT reportable.
We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III (Superfund amendments and Reauthorization Act)
311/312 Hazard Categories – Immediate Health, Delayed Health, Fire
313 Reportable Ingredients - None

OTHER INFORMATION – No Specific Notes

The information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is the user's responsibility to satisfy oneself as to the particular use. No warranty of any kind is given or implied and New City Resources Inc. will not be liable for any damages, losses, injuries or consequential damages, which may result from the use of or reliance on any information, contained herein.