

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Trade Name and Synonyms	POLY 300™ Panels & Flashings
Chemical Name and Synonyms	Polycarbonate sheets
Chemical Family	
DOT Hazard Classification	No particular hazards known.

COMPOSITION/INFORMATION ON INGREDIENTS

Main polymer: Poly (Bisphenol-A-carbonate)
Pigments and additives used to enhance specific properties are encapsulated in the polymer resin matter. No cadmium pigments or stabilizers are used.

HAZARDS IDENTIFICATION

Threshold Limit Value (TLV)
Primary Route of Entry
Effects of Overexposure

PHYSICAL DATA

Boiling Point	
Vapor Pressure	
Vapor Density (air=1)	
Specific Gravity (water=1)	1.2 g/cm ³
% Volatile (by volume)	
Solubility in Water	None
Appearance and Odor	Solid sheets; no odor.

FIRST AID MEASURES

Inhalation of Dust	
Prolonged Skin Contact	In general handling the material will not cause accidents. If exposed to combustion fumes in high concentration bring victim to fresh air. Burns resulting from accidental contact with molten material must be flushed immediately with cold water. Do not remove the polymer from the skin. Seek medical attention.
Eye Contact	
Ingestion of Dust	

REACTIVITY DATA

Stability and Incompatibility	Stable. No hazardous reactions.
Hazardous Decomposition Products	Independent testing and many years of experience confirm that this material has very low toxicity. This material is not listed as a confirmed or suspected carcinogen by the International Agency for Research on Cancer.

FIRE AND EXPLOSION DATA

Flash Point	>450°C (ASTM D 1929)
Ignition Temperature	>650°C (ASTM D 1929)
Extinguishing Media	Water is recommended.
Fire Fighting Procedures	CO ₂ is not recommended due to lack of cooling capacity.
Unusual Fire or Explosion Hazard	This material burns with difficulty and generally requires a continuous external flame source to sustain combustion. Without flashover fire conditions it will tend to extinguish itself. When forced to burn it will produce a very sooty fire. Main products of combustion are carbon dioxide and carbon monoxide. Some flame retardant grades will evolve trace quantities of hydrogen bromide on combustion. During combustion the base resin does not produce hydrogen cyanide, phosgene, acrolein, hydrogen chloride or sulphur dioxide. Combustion products have been found in independent tests to be essentially non-corrosive.

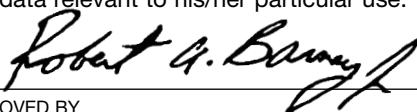
ENVIRONMENTAL INFORMATION

Handling and Storing Precautions	Inert under normal storage conditions; no special precautions. No explosion hazard. In the event of fire, cool and overlap product with water.
Miscellaneous	According to present knowledge no unfavorable ecological effects are to be expected. Product is insoluble in water.
Spill or Leak Procedures	Not applicable
Waste Disposal	This product is not regarded as a hazardous waste. Dispose of in accordance with local regulations. This product does not contain any cadmium pigments or cadmium stabilizers.

PERSONAL PROTECTION INFORMATION

- Respiratory Protection**
- Eye Protection**
- Skin Protection**
- Other Protective Equipment**

The above is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change, and the conditions for use or misuse are beyond our control, KEMLITE COMPANY MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, ABOUT THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN, AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should be satisfied that he/she has all current data relevant to his/her particular use.


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