



MSDS: Material Safety Data Sheet

PRODUCT IDENTIFICATION

Trade Name and Synonyms	Poly300® and PolyStrong™
Chemical Name and Synonyms	Polycarbonate sheets
Chemical Family	Polycarbonate
DOT Hazard Classification	Not Applicable

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	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Specific Gravity (water=1)	1.2 g/cm ³
% Volatile (by volume)	Not applicable
Solubility in Water	None
Appearance and Odor	Solid sheets; no odor

FIRST AID MEASURES

Inhalation of Dust	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.
Prolonged Skin Contact	
Eye Contact	
Ingestion of Dust	

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	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.

Explosion Hazards

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, phos gene, acrolein, hydrogen chloride or sulphur dioxide. Combustion products have been found in independent tests to be essentially non-corrosive.

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.

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, CRANE COMPOSITES 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.



APPROVED BY _____

DATE 5/3/2006