

MATERIAL SAFETY DATA SHEET

POLYCARBONATE

EFFECTIVE DATE	May 1, 1996
REVISED DATE	April 8, 2011
TRADE NAME	Polycarbonate
CHEMICAL FAMILY	Polycarbonate
CHEMICAL FORMULA	Bisphenol A Polycarbonate
SECTION II - HAZARDOUS INGREDIENTS	
HAZARDOUS COMPONENTS	This product contains no hazardous ingredients.
SECTION III - PHYSICAL DATA	
BOILING POINT (F)	N/A
FREEZING POINT (F)	220 - 230 °C
VOLATILITY / VOLUME (%)	Negligible
MELTING POINT	428 - 446 °F
VAPOR PRESSURE (mmHg)	N/A
VAPOR DENSITY (Air=1)	N/A
SOLUBILITY IN H ₂ O	Insoluble
APPEARANCE / ODOR	Solid / Slight
SPECIFIC GRAVITY (H ₂ O=1)	Approximate 1.2 g/cm ³ at 68F (20C)
ACIDITY	
SECTION IV- FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT	Above 842°F (450°C)
LOWER FLAME POINT	Not Established
HIGHER FLAME POINT	Not Established
EXTINGUISH MEDIA FOR FIRE	Water, Carbon Dioxide, Dry Chemical, Foam Full emergency equipment with self-contained breathing apparatus must be worn by firefighters.
UNUSUAL FIRE HAZARD	Irritating and toxic gases and aerosols may be generated by thermal decomposition and combustion.
SECTION V- HEALTH HAZARD DATA	
HEALTH HAZARD	Coarse dust, particulate generated during fabrication can irritate eyes, nasal passages and upper respiratory system
THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	
SECTION VI - REACTIVITY DATA	
CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Exposure to heat and flame



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SECTION VI - REACTIVITY DATA - CONTINUED	
INCOMPATIBLE MATERIALS	None in designed use
DECOMPOSITION PRODUCTS	Carbon Monoxide, Carbon Dioxide from burning. When heated to decomposition (420° C, 788° F) fumes can contain bisphenol A, methane, dipenyl carbonate and Nox.
HAZARDOUS POLYMERIZATIONS	Will Not Occur
POLYMERIZATION AVOID	
SECTION VII - SPILL OR LEAK PROCEDURE	
FOR SPILL	Remove mechanically by method which minimizes the generation of airborne dust
WASTE DISPOSAL METHOD	Incinerated or landfill
SPECIAL VIII - SPECIAL PROTECTION	
RESPIRATORY PROTECTION	Use dust mask.
VENTILATION	NIOSH/MSHA approved dust respirator recommended if the airborne dust concentration is near or exceeds the nuisance dust exposure requirements.
PROTECTIVE GLOVES	Gloves are recommended
EYE PROTECTION	Safety Glasses recommended
OTHER PROTECTIVE EQUIPMENT	
HANDLING AND STORAGE	Materials should be stored in a clean, dry environment. Materials must be dried before processing.
SECTION IX - SPECIAL PRECAUTIONS	
HAZARD CLASS	
DOT SHIPPING NAME	Non-Regulated
REPORTABLE QUANTITY (RQ)	None
UN NUMBER NA#	None
NA#	
PACKAGING SIZE	

Notes:

All information recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. It is the user's responsibility to determine the Safety, Toxicity and suitability of his/her own use, handling and disposal request. Since actual use by others is beyond our control, no warranty, expresses or implied, is made by Polymer Plastics Company L.C. as to effects of such use. The results to be obtained or the safety and toxicity of the product, nor does Polymer Plastics Company L.C. assume any liability arising out of use by others of the product referred to herein. The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any other process.

REFERENCES: N/A = Not Applicable, N/D = Not Determined, N.D.A. = No Date Available



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