



**Material Safety Data Sheet**

Section 1

**MSDS: PC/PBT**  
Unfilled

Dynamic Polymer Solutions  
Telephone Numbers: (810) 324-1451  
Chemtrec - Transportation Emergency:  
(800) 424-9300

MATERIAL IDENTIFICATION

<b>PRODUCT NAME:</b>	DYN-PCPBT		
<b>CHEMICAL NAME:</b>	Polycarbonate/Polybutylene Terephthalate		
<b>CAS NO.:</b>	Bisphenol A Polycarbonate	30965-26-5	
	Polybutylene Terephthalate	24968-12-5	
	Carbon Black (if Black)	1333-86-4	< 2.0 – 4.0%
<b>PRODUCT USE:</b>	Engineered Thermoplastics		

Section 2

**HAZARDOUS INGREDIENTS (Additives not hazardous by 29 CFR 1910.1200)**

Identity	CAS Number	Concentration

Section 3

HEALTH HAZARD DATA

Acute or immediate effects:

**Routes of entry and systems:**

<b>Ingestion:</b>	Not acutely toxic.
<b>Skin:</b>	Pellets not likely to cause skin irritation. Molten material may cause burns.
<b>Eye:</b>	May cause irritation due to mechanical action. Melt processing fumes may cause irritation to the eyes.
<b>Inhalation:</b>	Pellet inhalation unlikely due to physical form. Melt processing fumes may cause irritation to the respiratory tract.



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Section 4

**EMERGENCY FIRST AID**

<b>Eyes:</b>	Remove contact lenses at once. Flush immediately with copious amounts of water or saline for at least 15 minutes. If irritation persists, seek medical attention.
<b>Skin:</b>	Wash thoroughly with soap and water. Seek medical attention if rash or burn occurs. If molten material contacts skin, cool rapidly with water and seek immediate medical attention. Do not remove material
<b>Inhalation:</b>	Remove to fresh air. Support breathing with O2 or artificial respiration
<b>Ingestion:</b>	
<b>Chronic Effects:</b>	
<b>Medical Conditions generally aggravated by this material:</b>	There are no known human health effects aggravated by exposure to product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in processing fumes.

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Section 5

**FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Ignition Temperature:</b>	
<b>Unusual Fire/Explosion Hazards:</b>	
<b>Hazardous Combustion Products:</b>	Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide and hydrocarbon fragments.
<b>Special Fire Fighting Instructions:</b>	Use NIOSH approved Self-contained breathing apparatus and full protective equipment. Water spray is preferred extinguishing medium. Product will melt, but will not be carried on surface of water.
<b>Extinguishing Media:</b>	Water, foam

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Section 6

**ACCIDENTAL RELEASES**



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**Spill or Release:** Sweep or gather material and place in proper container for disposal or recovery

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### Section 7

#### STORAGE CONDITIONS

**NORMAL HANDLING:** Store in a dry place away from moisture excessive heat and sources of ignition. Follow recommendations on label and in processing guide. Prevent contact with skin and eyes.

**STORAGE RECOMMENDATIONS:** Use good industrial hygiene practices. Provide adequate ventilation. Secondary operations such as grinding, sanding/sawing may produce dust explosion hazard. Use aggressive housekeeping activities to prevent dust accumulation. Employ bonding, grounding, and venting.

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### Section 8

#### PROTECTION INFORMATION

<b>Eye:</b>	ANSI approved chemical workers goggles.
<b>Skin:</b>	Chemical resistant gloves, coveralls, sleeves and pants.
<b>Ventilation:</b>	A continuous supply of fresh air to the workplace combined with removal of processing fumes through exhaust is recommended.
<b>Respirator:</b>	When processing fumes are not adequately controlled, use NIOSH approved respirator for protection from organic vapors and acid gases. When dust/powder from secondary operations (grinding, sawing, etc.) are not adequately controlled, use NIOSH respirator.
<b>Additional Protective Measures:</b>	This product does not exhibit sharp melting point, but softens gradual over wide temperature range.

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### Section 9

#### PHYSICAL/CHEMICAL DATA

<b>Appearance:</b>	Solid Pellet
<b>Odor:</b>	Slight
<b>Melting Point:</b>	



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<b>Solubility in Water:</b>	Insoluble
<b>Volatile Content %:</b>	Negligible
<b>Specific Gravity:</b>	> 1.0

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Section 10

HAZARDOUS REACTIVITY

<b>Stability at Room Temperature:</b>	Stable
<b>Materials to Avoid:</b>	N/A
<b>Conditions to Avoid:</b>	Excessive heat
<b>Decomposition Temperature:</b>	
<b>Decomposition Products:</b>	Trace levels of tetrahydrofuran

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Section 11

TOXICOLOGICAL INFORMATION

**None available**

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Section 12

ECOLOGICAL INFORMATION

**None available**

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Section 13

DISPOSAL

**Spill or Release:** Sweep or gather material and place in proper container for disposal or recovery

**Waste Disposal:** Recycling is preferable option. Dispose of in accordance with local, state/provincial, and federal regulations.



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Section 14

TRANSPORT INFORMATION

<b>DOT Hazard Class:</b>	N/A
<b>Technical Shipping Name:</b>	N/A
<b>Freight Class Bulk:</b>	N/A
<b>Freight Class Package:</b>	N/A
<b>Product Label:</b>	N/A

Section 15

REGULATORY INFORMATION

**OSHA Status:**

SARA TITLE III:

**Section 302 – Extremely Hazardous Substances:**

**Section 311/312 Hazard Categories:**

**Section 313 Toxic Chemicals:**

**RCRA Status:**

**United States TSCA Status:**

STATE RIGHT TO KNOW LAWS – The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state

Component Name	
CAS Number	Concentration

**HMIS Rating**

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Health	
Flammability	
Reactivity	
PPE	
# Acute *Chronic	



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Section 16

MISCELLANEOUS INFORMATION

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of Dynamic Polymer Solutions, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. Dynamic Polymer Solutions makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.

**END OF MSDS**