

# Material Safety Data Sheet

## Section 1

**Contact Name & Address:**

American Polymer Standards Corporation,  
8680 Tyler Blvd., Mentor, OH 44060

**Emergency Telephone No. :**

(440) 255-2211

**Product Name:** Polycarbonate**Synonyms:** PC**CAS #:** 103598-77-2**Formula:****HMIS RATING:****Health:** 1**Fire:** 0**Reactivity:** 0**Personal Protection:** B

## Section 2 (Physical Data)

**Physical Appearance:** Pellets**Odor:** Odorless**Boiling Point:** Not Available**Melting Point:** Not Available**Critical Temperature:** Not Available**Specific Gravity:** Not Available**Vapor Pressure:** Not Available**Vapor Density:** Not Available**Volatility:** Not Available**Solubility:** Insoluble in Water

## Section 3 (Fire & Explosion Hazards Data)

**Flammability of Product:** May be combustible at high temperatures**Auto-Ignition Temp.:** Not Available**Flash Points:** Not Available**Flammable Limits:** Not Available**Products of Combustion:** May include but not limited to CO and CO<sub>2</sub> and may include trace amounts of Phenol**Fire & Explosion Hazards in Presence of Various Substances:** Not Available**Fire Fighting Media and Instructions:**

Water, CO<sub>2</sub>, dry chemical. Firefighters must wear SCBA & full protective clothing

**Special Remarks on Fire & Explosion Hazards:** Under fire conditions polymers decompose. Smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds. Dense black smoke is emitted when burned without sufficient oxygen. Mechanical handling can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.

## Section 4 (First Aid Measures)

**Eye Contact:** Check for & remove contact lenses. Immediately flush eyes with running water for a least 15 min., keeping eyelids open. Seek medical attention.**Skin Contact:** After contact with skin, wash immediately with plenty of water. Seek medical attention if irritation develops. Exposure to molten resin may cause thermal burns. If molten material comes in contact with the skin cool under ice water or a running stream of water. DO NOT attempt to remove the material from the skin. Removal could result in severe tissue damage.**Inhalation:** Allow the victim to rest in a well ventilated area. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek immediate medical attention.**Ingestion:** If swallowed wash out mouth with water provided person is conscious. Seek immediate medical attention.

## Section 5 (Toxicology Information)

**Route of Exposure:** **Skin:** May cause skin irritation, May be harmful if absorbed through the skin. **Eyes:** May cause eye irritation. May cause allergic skin reaction. **Inhalation:** May be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. **Ingestion:** Harmful if swallowed.**Toxicity Data:** To the best of our knowledge the chemical, physical & toxicological properties have not been thoroughly investigated.**Toxic to Animals:** Not Available**Chronic Effects on Humans:** Not Available

**Other Toxic Effects on Humans:** Not Available

### **Section 6 (Stability & Reactivity Data)**

**Stability:** Product is Stable at typical use temperatures

**Instability Temp.:** 425°C

**Conditions of Instability:** Avoid temperatures above 425°C. Product can decompose at elevated temperatures

**Polymerization:** Will not Occur

**Hazardous Decomposition of products formed under fire conditions:** depend on temperature, air supply and other materials present. Toxic gases are released during decomposition. Products of hazardous decomposition may include but are not limited to bisphenol A.

**Incompatibility with various substances:** None Known

### **Section 7 (Accidental Release Measures)**

**Spill:** Spilled material can cause slipping hazard. Sweep up, place in a suitable container for disposal

**Disposal:** Consult and follow local and regional authority requirements

### **Section 8 (Special Protection Information)**

**Personal Protection:** Splash goggles, Lab coat, Gloves and Dust respirator. Be sure to use an approved/certified respirator or equivalent.

**Exposure Limits:** Not Available

**Other Protective Equipment:** Rubber Boots, Safety Shower and Eye Bath after clean up.

**Other Precautions:** Do not breathe dust. Use protective clothing, gloves, safety goggles and mask. Wash thoroughly after handling.

### **Section 9 (Storage & Handling)**

**Handling:** Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

**Storage:** Keep container dry and tightly closed. Keep in a cool place that is well- ventilated. DO NOT store near flame or heat.

### **Section 10 (Transport & Regulatory Information)**

#### **DOT**

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered non-hazardous for transport.

**Non-Hazardous for Air Transport:** This substance is considered non-hazardous for air transport

#### **USA Regulatory Information**

**SARA Listed:** No

**TSCA Inventory Listed:** On the TSCA Inventory or exempt for TSCA Inventory requirements

#### **Canada Regulatory Information**

**WHMIS Classification:** This product is not a controlled product under WHMIS

**DSL:**

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