

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-20

## Section 1 - Product and Company Information

**Product Name:** Polycarbonate rod

**Product Part Number(s):** R07-04-04-NT, 5003R7, R7-1, R07-AA-BB-CC (Where AA is rod profile, BB is package size, CC is color)

**Recommended Use:** This product was designed for use in auto body shops to weld together broken polycarbonate parts.

**COMPANY IDENTIFICATION:**

Polyvance  
1128 Kirk Rd.  
Rainsville, AL 35986

**Information email:** info@polyvance.com

**EMERGENCY TELEPHONE NUMBER:**

**24 Hour Emergency contact:** Chemtrec: 1-800-424-9300  
Outside US: 703-527-3887

**Customer Information Number:** 256-638-4103 (7AM - 4PM (CST) M-F)

## Section 2 - Hazards Identification

**Appearance:** Clear rod

**Odor:** None or slight

**Hazard Statement:**

Not a hazardous substance or mixture.

**Signal Word:** Not Applicable

**Signal Word Hazard:** Not Applicable

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

### GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
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**Precautionary Statement:**

Avoid breathing fumes/vapors when melting.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P261	Avoid breathing fumes/vapors when melting.

## Potential Health Effects

**Eye Contact:** The cool solid material is not expected to cause eye irritation. Thermal burns may result from contact with the hot material.

**Skin Absorption:** 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. Get medical attention.

**Inhalation:** Prolonged or repeated inhalation of vapors or fumes from the heated material may be irritating to the upper respiratory tract.

**Ingestion:** N/A

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## Section 3 - Composition / Information on Ingredients

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Component	CAS #	ENIECS	REACH Reg. No.	Amount
Bisphenol-A Polycarbonate	111211-39-3			>99%

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## Section 4 - First Aid Measures

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**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin Contact:** Contact with molten resin can cause severe thermal burns. Cool rapidly with water and immediately seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvent for removal.

**Inhalation:** Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.

**Ingestion:** No hazards which require special first aid measures.

**Medical Conditions Aggravated by Exposure:** None

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## Section 5 - Firefighting Measures

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**Extinguishing Media:** Water

**Unusual Fire or Explosion Hazards:** None

**Fire Fighting Procedures:** MSHA/NIOSH approved pressure demand breathing apparatus should be used.

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## Section 6 - Accidental Release Measures

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**Methods For Clean Up:** If melted material is spilled, allow it to cool and solidify. Place material in disposal containers and dispose of in a manner consistent with applicable regulations.

**Methods for Containment:** Contact local environmental or health authorities for approved disposal of this material. If safe and practicable, reclaim material.

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## Section 7 - Handling and Storage

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**General Handling Practices:** Keep out of reach of children. For professional use only. Not intended for sale to the general public.

**Storage Requirements:** Store in a cool, dry, well-ventilated area.

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## Section 8 - Precautions to Control Exposure / Personal Protection

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### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Goggles or safety glasses.

<b>Skin Protection:</b>	Not normally required.
<b>Respiratory Protection:</b>	Not normally required. If ventilation cannot be acquired, wear NIOSH approved respirator.
<b>Hygienic Measures:</b>	Wash hands before eating, smoking, or using the washroom.
<b>Other Protection Measures:</b>	None
<b>Engineering Controls:</b>	No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of gases or fumes, special ventilation may be needed.
<b>HMIS Personal Protection:</b>	A




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## Section 9 - Physical and Chemical Properties

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<b>Appearance:</b>	Transparent strips of clear plastic
<b>Odor Threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting Point:</b>	Softens gradually over a wide range of temperatures
<b>Freezing Point:</b>	Not determined N/A
<b>Boiling Range:</b>	Not determined
<b>Flash Point:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined
<b>Flammability:</b>	Not determined
<b>Upper Flammability Limit:</b>	Not determined
<b>Lower Flammability Limit:</b>	Not determined
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	N/A
<b>Specific Gravity:</b>	1.2 to 1.5
<b>Solubility in Water:</b>	Not Soluble
<b>Partition Coefficient:</b>	Not determined
<b>Autoignition Temperature:</b>	Above 842 F (450 C) ASTM D-1929B
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined

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## Section 10 - Stability and Reactivity

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<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	All plastic materials may generate static electricity and should not be used around explosive mixtures.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, hydrocarbons, phenolic compounds, acrylates at elevated temperatures.
<b>Hazardous Polymerization:</b>	Will Not Occur

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** Ingestion unlikely due to physical form.

**Inhalation:** Inhalation unlikely due to physical form.

**Sensitization:** No information available.

**Acute Dose:** No information available.

**Repeated Dose:** No information available.

**Carcinogenicity:** No information available.

**Corrosivity:** No information available.

**Neurological:** No information available.

**Reproductive:** No information available.

**Genetic:** No information available.

**Developmental:** No information available.

**Eye Irritation:** Mechanically irritating to eyes.

**Target Organs:** No information available.

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## Section 12 - Ecological Information

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**EcoToxicity:** Ecological damages are not known or expected under normal use.

**Persistence/Degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility / Partitioning:** No information available.

**Other Adverse Effects:** No information available.

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## Section 13 - Disposal Considerations

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**Disposal Method:** Contact local environmental or health authorities for approved disposal of this material. If safe and practicable, reclaim material.

**Container Disposal:** Disposal must be made according to official regulations.

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## Section 14 - Transport Information

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### DOT

**Proper Shipping Name:** Not Regulated

**Additional DOT Shipping Information:** Not regulated as hazardous for shipment.

## IMDG (Maritime transport)

**Additional IMDG Information:** Not regulated as hazardous for shipment.

## IATA (Air transport)

**Additional IATA Shipping Information:** Not regulated as hazardous for shipment.

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## Section 15 - Regulatory Information

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Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)  
Sections 311 and 312

Immediate (Acute) Health Hazard: No

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

Reactive Hazard: No

Sudden Release of Pressure: No

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**The following lists hazardous components and the regulatory lists for which they are required to be reported.**

**Component:** Bisphenol-A Polycarbonate

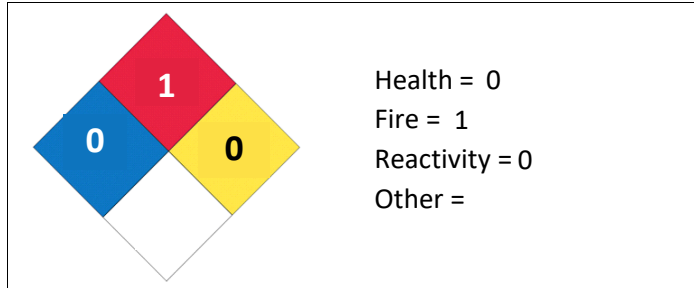
**CAS:** 111211-39-3

**Amount:** >99%

### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>0</b>	Health = 0
<b>FIRE</b>	<b>1</b>	Fire = 1
<b>PHYSICAL</b>	<b>0</b>	Physical = 0
<b>PERSONAL PROTECTION</b>	<b>A</b>	Personal Protection = A

### NFPA Ratings



## Section 16 - Other Information

### Legend

ACGIH	American Conference of Governmental Hygenists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MAK	Maximum Allowable Concentration (German)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

### DISCLAIMER

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