

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-21

## Section 1 - Product and Company Information

**Product Name:** PBT Plastic Welding Rod

**Product Part Number(s):** R11-01-03-BK, R11-XX-YY-ZZ (Where XX is the rod profile, YY is the package quantity, and ZZ is the

**Recommended Use:** Used by auto body shops to weld plastic 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:** Black 3mm diameter sticks

**Odor:** None

**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	Not Applicable	Not Applicable

### GHS Hazards Statement Codes for This Product

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

Avoid breathing fumes when welding.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P261	Avoid breathing fumes when welding

## Potential Health Effects

## Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Polybutylene Terephthalate (PBT)	30965-26-5			100%

## Section 4 - First Aid Measures

<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.
<b>Ingestion:</b>	Ingestion is not likely in the available physical form. If ingested, seek medical attention. Consult a physician.

## Section 5 - Firefighting Measures

<b>Extinguishing Media:</b>	Suitable extinguishing media: water spray, foam, dry powder
<b>Special Protective Equipment:</b>	Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
<b>Fire Fighting Procedures:</b>	Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

## Section 6 - Accidental Release Measures

<b>Personal Precautions:</b>	No special precautions necessary.
<b>Environmental Precautions:</b>	No special precautions necessary.
<b>Methods for Containment:</b>	Pick up with suitable appliance and dispose.

## Section 7 - Handling and Storage

<b>General Handling Practices:</b>	Ensure thorough ventilation of stores and work areas. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing and protective equipment before entering eating areas. Hands and/or face should be washed before breaks and at the end of the shift. When using do not eat, drink or smoke.
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## Section 8 - Precautions to Control Exposure / Personal Protection

### Personal Protective Equipment (PPE):

<b>Eye / Face Protection:</b>	Wear safety glasses with side shields.
<b>Skin Protection:</b>	Wear nitrile gloves.
<b>Respiratory Protection:</b>	Use a respirator to protect from welding fumes.
<b>Hygienic Measures:</b>	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.
<b>Engineering Controls:</b>	A continuous supply of fresh air to the workplace together with removal of welding fumes through exhaust systems is recommended.

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## Section 9 - Physical and Chemical Properties

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<b>Appearance:</b>	Black plastic rods
<b>Odor Threshold:</b>	Not determined.
<b>pH:</b>	Not determined.
<b>Melting Point:</b>	220 - 230 C (425 - 445 F)
<b>Freezing Point:</b>	Not available
<b>Boiling Point:</b>	Not determined.
<b>Boiling Range:</b>	Not determined. Substance decomposes.
<b>Flash Point:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not available.
<b>Flammability:</b>	Not self-igniting.
<b>Upper Flammability Limit:</b>	Not determined. Substance decomposes.
<b>Lower Flammability Limit:</b>	Not determined. Substance decomposes.
<b>Vapor Pressure:</b>	Not applicable.
<b>Vapor Density:</b>	No data available.
<b>Specific Gravity:</b>	1.31 g/ml
<b>Solubility in Water:</b>	Insoluble.
<b>Partition Coefficient:</b>	No data available.
<b>Autoignition Temperature:</b>	350 C (662 F)
<b>Decomposition Temperature:</b>	> 290 C (550 F)
<b>Viscosity:</b>	Not applicable. This product is a solid.

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## Section 10 - Stability and Reactivity

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<b>Chemical Stability:</b>	This product is stable if stored and handled as prescribed/indicated.
<b>Conditions to Avoid:</b>	Temperatures greater than 290 C (550 F)
<b>Incompatible Materials:</b>	No substances known that should be avoided.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, tetrahydrofuran, terephthalic acid, carbon dioxide, water.

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## Section 11 - Toxicological Information

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<b>Ingestion Toxicity:</b>	Not available.
<b>Skin Absorption:</b>	Not available.
<b>Inhalation:</b>	Not available.
<b>Sensitization:</b>	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
<b>Acute Dose:</b>	Not available.
<b>Repeated Dose:</b>	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
<b>Carcinogenicity:</b>	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
<b>Corrosivity:</b>	Not available.

- Neurological:** Not available.
- Reproductive:** Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- Genetic:** Not available.
- Developmental:** Not available.
- Eye Irritation:** May cause mechanical irritation.
- Skin Irritation:** No data available.
- Target Organs:** Not available.

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## Section 12 - Ecological Information

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- EcoToxicity:** Aquatic toxicity: The product has not been tested. The statement has been derived from the structure of the product. There is a high probability that the product is not acutely harmful to aquatic organisms.
- PersistenceDegrdability:** The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
- Bioaccumulation:** The product will not be readily bioavailable due to its consistency and insolubility in water.

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## Section 13 - Disposal Considerations

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- Disposal Method:** Check for possible recycling. Incinerate in suitable incineration plant, observing local authority regulations.
- ContainerDisposal:**

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## Section 14 - Transport Information

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### DOT

**Additional DOT Shipping Information:** Not classified as a dangerous good under transport regulations.

### IMDG (Maritime transport)

**Additional IMDG Information:** Not classified as a dangerous good under transport regulations.

## IATA (Air transport)

**Additional IATA Shipping Information:** Not classified as a dangerous good under transport regulations.

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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: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

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

**Component:** Polybutylene Terephthalate (PBT)

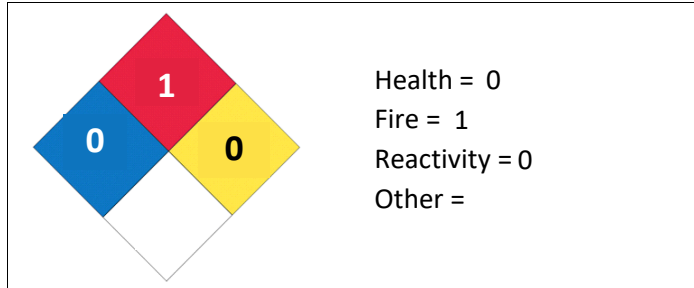
**CAS:** 30965-26-5

**Amount:** 100%

### 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>		Personal Protection =

### NFPA Ratings



## Section 16 - Other Information

### Legend

CAS	Chemical Abstract Service
DOT	Department of Transportation
GHS	Global Harmonized System

### DISCLAIMER

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