

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: PPE+PS Plastic Welding Rod

Product Part Number(s): R08-01-08-BK, R08-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 resinous plastic rods

Odor: None

Hazard Statement:

Not Applicable

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
A	1	No Hazard Statement Needed

Precautionary Statement:

Not Applicable

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
Polyphenylene Ether	25134-01-4			70 - 80%
Polystyrene	9003-53-6			20 - 30%
Carbon Black	1333-86-45			0.1 - 1.0%

Section 4 - First Aid Measures

Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin Contact:	This material is not likely to be hazardous by skin contact, but cleaning the skin after use is advised. If molten plastic contacts the skin, cool rapidly with cold water. Do not attempt to peel plastic from skin. Seek medical treatment for thermal burn.
Inhalation:	The melting of the plastic will cause vapors. Move to fresh air in case of accidental inhalation of vapors. Seek medical attention if symptoms occur.
Ingestion:	This material is not likely to be hazardous by ingestion. If swallowed, do not induce vomiting. Seek medical advice.

Section 5 - Firefighting Measures

Extinguishing Media:	Water spray mist.
Special Protective Equipment:	Wear self-contained breathing apparatus and protective suit.
Fire Fighting Procedures:	Keep personnel removed and upwind of fire.

Section 6 - Accidental Release Measures

Personal Precautions:	Sweep up and dispose of in suitable receptacles (trash can).
Environmental Precautions:	Do not allow the product to get into the sewer system.

Section 7 - Handling and Storage

General Handling Practices:	Use good industrial hygiene practices. Provide adequate ventilation. Secondary operations such as grinding, sanding, or sawing may produce a dust explosion hazard.
Handling Precautions:	Secondary operations such as grinding, sanding, or sawing may produce a dust explosion hazard.
Storage Requirements:	Store in a cool dry place. Avoid excessive heat and ignition sources.

Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
Carbon Black	ACGIH	TWA	3.5 mg/m ³	TLV

Personal Protective Equipment (PPE):

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

welding fumes through exhaust systems is recommended.

HMIS Personal
Protection:

A



Section 9 - Physical and Chemical Properties

Appearance:	Black Plastic Rods
Odor Threshold:	Not Determined
pH:	Not Determined
Melting Point:	This material softens over a range of temperatures. We extrude this at 475 F (245 C)
Freezing Point:	Not Available
Boiling Point:	Not Available
Boiling Range:	Not Available
Flash Point:	Not Available
Evaporation Rate:	Not Available
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Specific Gravity:	1.11 g/cm ³
Solubility in Water:	None
Partition Coefficient:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: To avoid thermal decomposition, do not overheat

Hazardous Decomposition Products: Hydrocarbons, styrene, phenol.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Ingestion Toxicity: LD50, Rat > 5000 mg/kg

Skin Absorption: LD50, Rabbit > 2000 mg/kg

Inhalation: No data available

Sensitization: No data available

Skin Irritation: In general, the substance does not irritate the skin.

Section 12 - Ecological Information

EcoToxicity: Do not discharge into surface water or sewers.

Other Adverse Effects: No damage to the environment is known or foreseeable under normal conditions of use.

Section 13 - Disposal Considerations

Disposal Method: Whenever possible, recycling is preferable to disposal or incineration. Dispose of in accordance with local regulations.

Container Disposal:

Section 14 - Transport Information

DOT

Proper Shipping Name: Not Regulated

IMDG (Maritime transport)

Proper Shipping Name: Not Regulated

IATA (Air transport)

Proper Shipping Name: Not Regulated

Section 15 - Regulatory Information

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

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

Component: Carbon Black

CAS: 1333-86-45

Amount: 0.1 - 1.0%

Carbon Black is on the California Prop 65 Cancer list.

Carbon Black is listed with Massachusetts Right to Know.

Carbon Black is listed with Pennsylvania Right to Know.

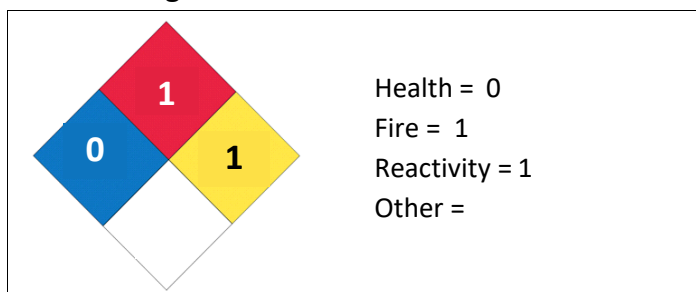
Carbon Black is listed with International Agency for Research on Cancer (IARC) as a possible carcinogen.

Carbon Black is listed with American Conference on Governmental Industrial Hygienists (ACGIH) as a possible carcinogen.

HMIS Rating (0 - 4)

HEALTH	0	Health = 0
FIRE	1	Fire = 1
PHYSICAL	0	Physical = 0
PERSONAL PROTECTION	A	Personal Protection = A

NFPA Ratings



Section 16 - Other Information

Legend

ACGIH	American Conference of Governmental Hygienists
CAS	Chemical Abstract Service
EPA	Environmental Protection Agency
GHS	Global Harmonized System
HMIS	Hazardous Materials Identification System
LD	Lethal Dose
LTEL	Long Term Exposure Limit
NFPA	National Fire Protection Association
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
TSCA	Toxic Substances Control Act

DISCLAIMER

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