

# 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:** FiberFlex

**Product Part Number(s):** R10-02-03-BK, R10, R11, 5003R10, 5003R11, R10-AA-BB-CC (Where AA is rod profile, BB is package

**Recommended Use:** This product is used with a plastic welder to repair broken 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 Flexible rods

**Odor:** Candle-like smell when heated

**Hazard Statement:**

WARNING! Causes skin irritation.

**Signal Word:** WARNING!

**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
Health	H315	Causes skin irritation

**Precautionary Statement:**

Not applicable

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P264	Wash ... thoroughly after handling
Response	P302+352	IF ON SKIN: Wash with soap and water
Response	P362	Take off contaminated clothing and wash before reuse

## 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 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
Ethylene/Acrylic acid copolymer	9010-77-9			40%
Polyethylene, Homopolymer	9002-88-4			34%
Calcium Carbonate	471-34-1			10 - 12%
Ethylene-Vinyl Acetate Copolymer	108-05-4			6 - 8%
Styrene-Butadiene-Styrene Copolymer	9003-55-8			< 4%
Fiber Glass	65977-17-3			<2%
Carbon Black	1333-86-4			< 1%

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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 spray, foam or carbon dioxide

**Unusual Fire or Explosion Hazards:** N/A

**Fire Fighting Procedures:** Use self-continued breathing apparatus and protective coating. If possible, water should be applied as a spray from a fogging nozzle since this polymer is a surface burning material.

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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.

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

Component	Source	Type	Value	Remarks
Calcium Carbonate	ACGIH	TWA	10 mg/m <sup>3</sup>	Derated Calcium Carbonate.
Carbon Black	NIOSH	TWA	3.5 mg/m <sup>3</sup>	
Carbon Black	ACGIH	TWA	3 mg/m <sup>3</sup>	Inhalable
Carbon Black	OSHA	TWA	3.5 mg/m <sup>3</sup>	
Ethylene/Acrylic acid copolymer				None established
Ethylene-Vinyl Acetate Copolymer	OSHA	PEL	5 mg/m <sup>3</sup>	TWA (for dust)
Ethylene-Vinyl Acetate Copolymer	ACGIH	TLV	10 mg/m <sup>3</sup>	TWA (for dust)
Fiber Glass	ACGIH	TWA	10 mg/m <sup>3</sup>	Inhalable
Fiber Glass	OSHA	TWA	5 mg/m <sup>3</sup>	respirable dust
Polyethylene, Homopolymer				None established
Styrene-Butadiene-Styrene Copolymer				None established

### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Goggles or side-shielded safety glasses.

**Skin Protection:** Not normally required.

**Respiratory Protection:** Not normally required. If ventilation cannot be acquired, wear NIOSH approved respirator.

**Hygienic Measures:** Wash hands before eating, smoking or using the bathroom.

**Other Protection Measures:** None

**Engineering Controls:** No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of gasses or fumes, special ventilation may be needed.

**HMIS Personal Protection:** A



## Section 9 - Physical and Chemical Properties

**Appearance:** Black resinous plastic sticks with slight ester odor.

**Odor Threshold:** Not determined

**pH:** Not determined

**Melting Point:** Not determined

**Freezing Point:** Not determined

Not Available

**Boiling Range:** Not Available

**Flash Point:** Not Available

**Evaporation Rate:** Not Available

**Flammability:** Not Available

**Upper Flammability Limit:** Not determined

**Lower Flammability Limit:** Not determined  
**Vapor Pressure:** Not determined  
**Vapor Density:** N/A  
**Specific Gravity:** 0.88-0.98  
**Solubility in Water:** Not Soluble  
**Partition Coefficient:** Not determined  
**Autoignition Temperature:** Not determined  
**Decomposition Temperature:** Not determined  
**Viscosity:** Not determined

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## Section 10 - Stability and Reactivity

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**Chemical Stability:** Stable  
**Conditions to Avoid:** Avoid contact with strong oxidizing agents.  
**Incompatible Materials:** Avoid contact with strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, ketones, unidentified organic compounds  
**Hazardous Polymerization:** Will Not Occur

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** Expected to be of low toxicity  
**Skin Absorption:** Expected to be of low toxicity  
**Inhalation:** No data available  
**Sensitization:** Not expected to be a skin sensitizer  
**Acute Dose:** No information available.  
**Repeated Dose:** Repeated exposure does not cause toxic effects.  
**Carcinogenicity:** No information available.  
**Corrosivity:** No information available.  
**Neurological:** No information available.  
**Reproductive:** No information available.  
**Genetic:** Not expected to be a mutagenic hazard.  
**Developmental:** No information available.  
**Eye Irritation:** No information available.  
**Skin Irritation:** No information available.  
**Target Organs:** No information available.

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## Section 12 - Ecological Information

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**EcoToxicity:** Expected to be practically non toxic, LC/EC/IC 50 > 1000 mg/l  
**Persistence/Degradability:** No information available.  
**Bioaccumulation:** No information available.  
**Mobility / Partitioning:** 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:** This material is not classified as hazardous under 49 CFR Parts 171-180.

### IMDG (Maritime transport)

**Additional IMDG Information:** This material is not classified as hazardous.

### IATA (Air transport)

**Additional IATA Shipping Information:** This material is not classified as hazardous.

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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.**

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**Component:** Calcium Carbonate

**CAS:** 471-34-1

**Amount:** 10 - 12%

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**Component:** Carbon Black

**CAS:** 1333-86-4

**Amount:** < 1%

Carbon Black is on the California Prop 65 Cancer list.

Carbon Black is listed with Pennsylvania Right to Know.

Carbon Black is listed with Rhode Island Right to Know.

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**Component:** Ethylene/Acrylic acid copolymer

**CAS:** 9010-77-9

**Amount:** 40%

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**Component:** Ethylene-Vinyl Acetate Copolymer

**CAS:** 108-05-4

**Amount:** < 7%

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**Component:** Fiber Glass

**CAS:** 65977-17-3

**Amount:** <2%

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**Component:** Polyethylene, Homopolymer

**CAS:** 9002-88-4

**Amount:** 34%

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**Component:** Styrene-Butadiene-Styrene Copolymer

**CAS:** 9003-55-8

**Amount:** < 4%

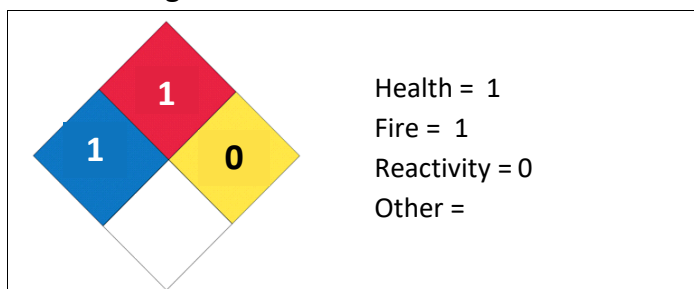
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#### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>1</b>	Health = 1
<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

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#### NFPA Ratings



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## Section 16 - Other Information

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### Legend

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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

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### DISCLAIMER

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