

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): R10-04-03-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

Section 3 - Composition / Information on Ingredients

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%

Section 4 - First Aid Measures

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

Section 5 - Firefighting Measures

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.

Section 6 - Accidental Release Measures

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.

Section 7 - Handling and Storage

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 ³	Derated Calcium Carbonate.
Carbon Black	NIOSH	TWA	3.5 mg/m ³	
Carbon Black	ACGIH	TWA	3 mg/m ³	Inhalable
Carbon Black	OSHA	TWA	3.5 mg/m ³	
Ethylene/Acrylic acid copolymer				None established
Ethylene-Vinyl Acetate Copolymer	OSHA	PEL	5 mg/m ³	TWA (for dust)
Ethylene-Vinyl Acetate Copolymer	ACGIH	TLV	10 mg/m ³	TWA (for dust)
Fiber Glass	ACGIH	TWA	10 mg/m ³	Inhalable
Fiber Glass	OSHA	TWA	5 mg/m ³	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

Section 10 - Stability and Reactivity

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

Section 11 - Toxicological Information

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.

Section 12 - Ecological Information

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.

Section 13 - Disposal Considerations

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.

Section 14 - Transport Information

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.

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: Calcium Carbonate

CAS: 471-34-1

Amount: 10 - 12%

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.

Component: Ethylene/Acrylic acid copolymer

CAS: 9010-77-9

Amount: 40%

Component: Ethylene-Vinyl Acetate Copolymer

CAS: 108-05-4

Amount: < 7%

Component: Fiber Glass

CAS: 65977-17-3

Amount: <2%

Component: Polyethylene, Homopolymer

CAS: 9002-88-4

Amount: 34%

Component: Styrene-Butadiene-Styrene Copolymer

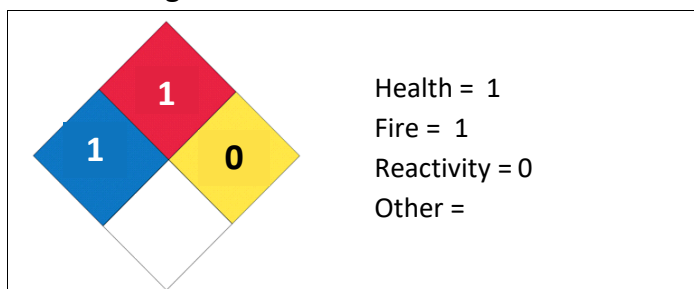
CAS: 9003-55-8

Amount: < 4%

HMIS Rating (0 - 4)

HEALTH	1	Health = 1
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 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

This Safety Data Sheet (SDS) is prepared in compliance with GHS Hazcom 2012. The information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty or merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of this data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material is furnished on the condition that the person receiving it shall make his/her own determination as the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.