# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2021-08-09

## Section 1 - Product and Company Information

**Product Name:** PPE+PP+GF30 Plastic Welding Rod

**Product Part Number(s):** R22-01-04-BK, R22-01-03-BK, R22-01-08-BK

**Recommended Use:** Use this item with a plastic welder to repair broken PPE+PP 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 rods approximately 1/8 in. (3 mm) in diameter.

**Odor:** None or slight

**Hazard Statement:** WARNING! Causes mild 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 | H316 | Causes mild skin irritation |

**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 |
|---|---|---|---|---|
| Carbon Black | 1333-86-4 | | | 0.3 - 1.0% |
| Fiberglass | 65977-17-3 | | | 30% |

## 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:** Immediately cool the skin by rinsing with cold water after contact with hot material. Wash off immediately with soap and plenty of water. Consult a physician.

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

**Ingestion:** Not probable due to nature of the product.

**Medical Conditions Aggravated by Exposure:** None

## Section 5 - Firefighting Measures

**Extinguishing Media:** Use dry chemical, CO2, water spray or "alcohol" foam. Water is the best extinguishing medium. Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition on larger resin fires.

**Special Protective Equipment:** In the event of fire, wear self-contained breathing apparatus.

**Hazardous Combustion Products:** Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbon fragments, ketones, acrolein, aldehydes.

**Fire Fighting Procedures:** Do not use a solid water stream as it may scatter and spread fire.

## Section 6 - Accidental Release Measures

**Personal Precautions:** As the material is a solid, there are no personal precautions necessary.

**Methods For Clean Up:** If liquid 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:** Sweep up and place in containers for recovery or disposal.

## Section 7 - Handling and Storage

**General Handling Practices:** Handle in accordance with good industrial hygiene and safety proactices. Provide for appropriate exhaust formation.

**Handling Precautions:** Be aware that glass fibers may protrude from the material and can be irritating.

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

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

| Component | Source | Type | Value | Remarks |
|---|---|---|---|---|
| Carbon Black | ACGIH | TWA | 3.5 mg/m3 | Not classifiable as a human carcinogen. |
| Carbon Black | OSHA | TWA | 3.5 mg/m3 | |
| Fiberglass | ACGIH | TWA | 5 mg/m3 | |

## Personal Protective Equipment (PPE):

| | |
|---|---|
| **Eye / Face Protection:** | Goggles or safety glasses. |
| **Skin Protection:** | Protective gloves should be worn. |
| **RespiratoryProtection:** | Not normally required. If ventilation cannot be acquired, wear NIOSH approved respirator. |
| **Hygenic Measures:** | Wash hands before eating, smoking or using the washroom. |
| **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 rods, approximately 1/8 in. (3mm) diameter. |
| **Odor Threshold:** | Not determined |
| **pH:** | Not determined |
| **Melting Point:** | This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures. |
| **Freezing Point:** | Not determined |
| **Boiling Point:** | N/A |
| **Boiling Range:** | Not determined |
| **Flash Point:** | Not determined |
| **Evaporation Rate:** | Not determined |
| **Flammability:** | Not determined |
| **Upper Flammability Limit:** | Not determined |
| **Lower Flammability Limit:** | Not determined |
| **Vapor Pressure:** | Negligible |
| **Vapor Density:** | N/A |
| **Specific Gravity:** | >1 (water = 1) |
| **Solubility in Water:** | Not Soluble |
| **Partition Coefficient:** | Not determined |
| **Autoignition Temperature:** | 360°C (680°F) |
| **Decomposition Temperature:** | Not determined |
| **Viscosity:** | Not determined |
| **Volitile Organic Compounds (VOC's):** | Negligible |

# Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ambient conditions.

**Conditions to Avoid:** Avoid temperatures above 360°C (680°F). To avoid thermal decompostition, avoid elevated temperatures. Heating can result in the formation of gaseous decompostion products, some of which may be hazardous.

**Incompatible Materials:** Strong acids, strong oxidizing agents.

**Hazardous Decomposition Products:** Vapors may include trace levels of hydrocarbons, alkyphenols, aldehydes, trimethylanisole, dihydrobenzofuran, ketones, acrolein.

**Hazardous Polymerization:** Will Not Occur

## Section 11 - Toxicological Information

**Ingestion Toxicity:** LD50, oral, rat: >5000 mg/kg (estimated)

**SkinAbsorption:** LD50, dermal, rat: >2 g/kg (estimated)

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

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

**Skin Irritation:** Fiberglass in material causes skin irritation.

## Section 12 - Ecological Information

**EcoToxicity:** Do not flush into surface water or sanitary sewer system. Ecological damages are not known or expected under normal use.

## Section 13 - Disposal Considerations

**Disposal Method:** Where possible, recycling is preferred to disposal or incineration. Dispose of in accordance with local regulations.

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

## Section 14 - Transport Information

### 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.

# Section 15 - Regulatory Information

Superfund Amendments and Reathorization 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 Realease 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:** 1333-86-4
**Amount:** 0.3 - 1.0%

Carbon Black is on the California Prop 65 Cancer list.
Carbon Black is listed with Pennsylvania Right to Know.

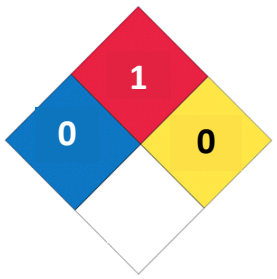
**Component:** Fiberglass
**CAS:** 65977-17-3
**Amount:** 10 - 15%

Fiberglass is on the California Prop 65 Cancer list.
Fiberglass is listed with Minnesota Right to Know.
Fiberglass is listed with New Jersey Right to Know.
Fiberglass is listed with Rhode Island Right to Know.

### HMIS Rating (0 - 4)

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

### NFPA Ratings




Health = 0
Fire = 1
Reactivity = 0
Other =

## 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 |
| LD | Lethal Dose |
| 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 |

VOC Volitile Organic Compounds

## 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 my 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.