

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: GTX Plastic Welding Rod

Product Part Number(s): R15-01-04-BK, R15-XX-YY-ZZ (Where XX is the rod profile, YY is the package quantity, and ZZ is the

Recommended Use: This product is used with a plastic welder to repair broken plastic automotive 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: Slight or no odor

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 |
|----------------|----------------|----------------|
|----------------|----------------|----------------|

Precautionary Statement:

Not applicable

GHS Precautionary Statement Codes for This Product

| Statement Type | Statement Code | Statement Text |
|----------------|----------------|----------------|
|----------------|----------------|----------------|

Potential Health Effects

Eye Contact: Not likely to cause eye irritation

Skin Contact: Not likely to cause skin irritation

Skin Sensitization: No information available

Inhalation: Fumes from PPE resin are not considered toxic. In acute inhalation tests, laboratory rats were

exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. During the exposure periods signs of eye and nasal irritation were observed, but signs of irritation disappeared shortly after the animals were removed from the exposure chamber.

Ingestion: Ingestion is unlikely due to physical form

Section 3 - Composition / Information on Ingredients

| Component | CAS # | ENIECS | REACH Reg. No. | Amount |
|---------------------|------------|--------|----------------|-------------|
| Polyphenylene Ether | 25134-01-4 | | | <90% |
| Nylon | 25038-54-4 | | | <90% |
| Carbon Black | 1333-86-4 | | | 0.1% - 1.0% |

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: Cool skin rapidly with cold water after contact with hot polymer. 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 persist, call a physician.

Ingestion: No hazards which require special first aid measures.

Section 5 - Firefighting Measures

Extinguishing Media: Water spray mist or foam. Carbon dioxide and dry chemical are **NOT** recommended because their lack of cooling capacity may permit re-ignition

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

Fire Fighting Procedures: Do not enter fire area without proper protection including self contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

Section 6 - Accidental Release Measures

Personal Precautions: See Section 8.

Environmental Precautions: Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods For Clean Up: Sweep up and shovel into suitable containers for disposal.

Section 7 - Handling and Storage

General Handling Practices: Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation at machinery.

Section 8 - Precautions to Control Exposure / Personal Protection

| Component | Source | Type | Value | Remarks |
|--------------|--------|------|-----------------------|---------|
| Carbon Black | ACGIH | TLV | 3.5 mg/m ³ | |
| Carbon Black | OSHA | TLV | 3.5 mg/m ³ | |

Personal Protective Equipment (PPE):

- Eye / Face Protection:** Safety glasses with side-shields or chemical goggles.
- Skin Protection:** Long sleeved clothing and gloves will help prevent melted material from bonding to skin.
- Respiratory Protection:** When using this product while welding plastic, mechanical ventilation (a fan) is usually sufficient. However, a respirator may be necessary if the fumes are not adequately controlled or operators experience symptoms of overexposure.
- Hygienic Measures:** When using, do not eat, drink or smoke.
- Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation at plastic welder.

Section 9 - Physical and Chemical Properties

- Appearance:** Black resinous plastic rods
- Color:** Black
- Odor:** None or slight
- Odor Threshold:** Not determined
- pH:** NA
- 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:** Not determined
- 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:** Not determined
- Specific Gravity:** >1 (Water=1)
- Solubility in Water:** Insoluble
- Partition Coefficient:** Not determined
- Autoignition Temperature:** 400C (752F) estimated
- Decomposition Temperature:** Not determined
- Viscosity:** Not determined
- Volatile Organic Compounds (VOC's):** Negligible

Section 10 - Stability and Reactivity

Chemical Stability: Stable at normal conditions.

Conditions to Avoid: Avoid temperatures above 400°C. To avoid thermal decomposition, do not overheat. Heating can release hazardous gases. Do not exceed melt temperature recommendations.

Hazardous Decomposition Products: Fumes evolved at recommended welding conditions may include trace levels of hydrocarbon fragments, alkylphenols, aldehydes, alcohols, aliphatic amines, dimethyl cyclohexanone, trimethyl anisole, dihydrobenzo furan, N,N-dimethylformamide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Ingestion Toxicity: LD50/rat: >15g/kg estimated

SkinAbsorption: LD50/dermal/rat: >2g/kg estimated

Inhalation: Welding fumes from PPE resin are not considered toxic. In acute inhalation tests, laboratory rats were exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. During the exposure periods (6 hour duration) signs of eye and nasal irritation were observed. These signs of irritation disappeared shortly after the animals were removed from the exposure chamber. No deaths or signs of toxicity were noted during the fume exposure period. There were no distinct or consistent treatment related tissue or organ changes noted in gross necropsies.

Eye Irritation: Particles are mechanically irritating to eyes.

Skin Irritation: Not likely to cause skin irritation

Section 12 - Ecological Information

EcoToxicity: Do not flush into surface water or sanitary sewer system.

Section 13 - Disposal Considerations

Disposal Method: Recycling is encouraged. Landfill or incinerate in accordance with federal, state and local requirements.

ContainerDisposal:

Section 14 - Transport Information

DOT

Proper Shipping Name: Not Regulated

IMDG (Maritime transport)

Label: Not regulated as hazardous for shipment.

IATA (Air transport)

Label: Not regulated as hazardous for shipment.

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: No

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

Reactive Hazard: No

Sudden Release of Pressure: No

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: 0.1% - 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.

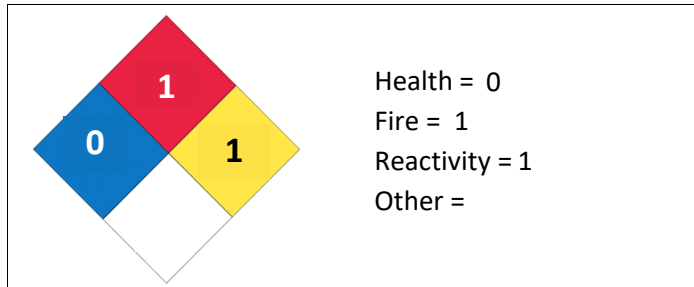
Carbon Black is listed with American Conference on Governmental Industrial Hygienists (ACGIH) as a possible carcinogen.

is listed with the National Institute for Occupational Safety and Health (NIOSH) as a possible carcinogen.

HMIS Rating (0 - 4)

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

NFPA Ratings



Section 16 - Other Information

Legend

| | |
|-------|-------------------------------------------------------|
| ACGIH | American Conference of Governmental Hygienists |
| CAS | Chemical Abstract Service |
| CFR | Code of Federal Regulations |
| EPA | Environmental Protection Agency |
| HMIS | Hazardous Materials Identification System |
| IARC | International Agency for Research on Cancer |
| LD | Lethal Dose |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| SARA | Superfund Amendment and Reauthorization Act |
| STEL | Short Term Exposure Limit |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |

| | |
|-----|----------------------------|
| 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 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 to 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.