

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2025-04-08

## Section 1 - Product and Company Information

**Product Name:** Nylon Rod

**Product Part Number(s):** R06-01-04-BK, 5003R6, R06-AA-BB-CC (Where AA is rod profile, BB is package size, CC is color)

**Recommended Use:** This nylon rod is to be used with a plastic welder to repair broken nylon 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:** Resinous rods

**Odor:** Not available

**Hazard Statement:**

No Hazard Statement Needed.

**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:**

Avoid breathing fumes..

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P261	Avoid breathing fumes.

## 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 the 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
Nylon 6 polymer	25038-54-4			>99%

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## Section 4 - First Aid Measures

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**Eye Contact:** Flush eyes with water as a precaution.

**Skin Contact:** Wash off with soap and plenty of water.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**Medical Conditions Aggravated by Exposure:** None

**Note To Physician:** There are no known chronic effects associated with this material.

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## Section 5 - Firefighting Measures

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**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unusual Fire or Explosion Hazards:** None

**Fire Fighting Procedures:** MSHA/NIOSH approved pressure demand breathing apparatus should be used

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## Section 6 - Accidental Release Measures

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**Personal Precautions:** Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental Precautions:** No special environmental precautions required.

**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:** 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.

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

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Component	Source	Type	Value	Remarks
Nylon 6 polymer				None listed

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### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Goggles or safety glasses.

**Skin Protection:** Not normally required.

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

**Hygienic 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 gases or fumes, special ventilation may be needed.

**HMIS Personal Protection:** A



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## Section 9 - Physical and Chemical Properties

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**Appearance:** Black rods, approximately 1/8th inch in diameter

**Odor Threshold:** Not determined

**pH:** Not determined

**Melting Point:** Not determined

**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:** Not determined

**Vapor Density:** 3.9

**Specific Gravity:** 1.1 to 1.5

**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 under normal temperatures and pressures.

**Conditions to Avoid:** All plastic materials may generate static electricity and should not be used around explosive mixtures.

**Incompatible Materials:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Will Not Occur

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** No data available.  
**SkinAbsorption:** No data available.  
**Inhalation:** No data available.  
**Sensitization:** No data available.  
**Acute Dose:** No data available.  
**Repeated Dose:** No data available.  
**Carcinogenicity:** No data available.  
**Corrosivity:** No data available.  
**Neurological:** No data available.  
**Reproductive:** No data available.  
**Genetic:** No data available.  
**Developmental:** No data available.  
**Eye Irritation:** No data available.  
**Skin Irritation:** No data available.  
**Target Organs:** No data available.

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## Section 12 - Ecological Information

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**EcoToxicity:** No data available.  
**PersistenceDegrdability:** No data available.  
**Bioaccumulation:** No data available.  
**Mobility / Partitioning:** No data available.  
**Other Adverse Effects:** No data 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.  
**ContainerDisposal:** 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:** Not regulated as a hazardous material.

## IMDG (Maritime transport)

**Additional IMDG Information:** Not regulated as a hazardous material.

## IATA (Air transport)

**Additional IATA Shipping Information:** Not regulated as a hazardous material.

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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.**

**Component:** Nylon 6 polymer

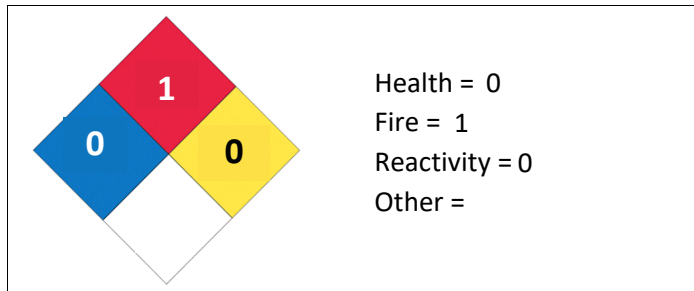
**CAS:** 25038-54-4

**Amount:** >99%

### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>0</b>	Health = 0
<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

### 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

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