

# 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-NT, 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

**Section 3 - Composition / Information on Ingredients**

| Component       | CAS #      | ENIECS | REACH Reg. No. | Amount |
|-----------------|------------|--------|----------------|--------|
| Nylon 6 polymer | 25038-54-4 |        |                | >99%   |

**Section 4 - First Aid Measures**

**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.

**Section 5 - Firefighting Measures**

**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

**Section 6 - Accidental Release Measures**

**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.

**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     |
|-----------------|--------|------|-------|-------------|
| Nylon 6 polymer |        |      |       | None listed |

**Personal Protective Equipment (PPE):**

**Eye / Face Protection:** Goggles or 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 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:** Translucent 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.  
**Skin Absorption:** 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.  
**Persistence/Degradability:** 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.  
**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:** 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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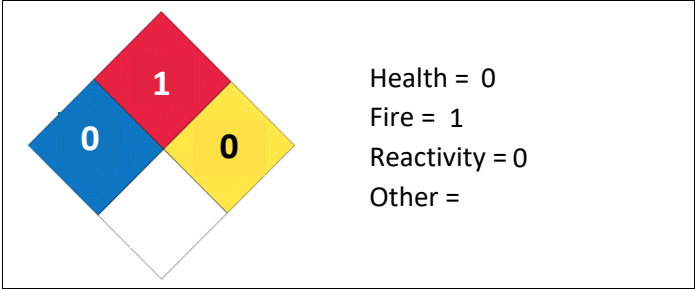
The following lists hazardous components and the regulatory lists for which they are required to be reported.

**Component:** Nylon 6 polymer  
**CAS:** 25038-54-4  
**Amount:** >99%

**HMIS Rating (0 - 4)**

|                     |   |                         |
|---------------------|---|-------------------------|
| HEALTH              | 0 | Health = 0              |
| 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**

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