

# SAFETY DATA SHEET



## Nylon

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

---

### SECTION 1: IDENTIFICATION

Product Names: Nylon

Other / Generic Names: Polyamide, Synthetic Polymer

#### Manufacturer or supplier's details

Company: The Gund Company, Inc.  
2121 Walton Road  
St. Louis, MO 63114

Telephone: (314) 423-5200

Visit Our Website: [www.thegundcompany.com](http://www.thegundcompany.com)

Email Address: [info@thegundcompany.com](mailto:info@thegundcompany.com)

Emergency Telephone: (262) 522-7990

#### Recommended use of the chemical and restrictions on use

Recommended use: May be used to produce molded or extruded articles or as a component of other industrial products.

Restrictions on use: See *Section 15* for restrictions.

---

### SECTION 2: HAZARDS IDENTIFICATION

#### When machined or cut and dust is formed, the following apply:

##### GHS Classification

Skin sensitization: Category 1/1A/1B

Skin corrosion/irritation: Category 3

Respiratory sensitization: Category 1/1A/1B

Eye sensitization: Category 2B

##### GHS Label Element

Hazard pictograms:



Signal word: Warning, Danger

# SAFETY DATA SHEET



## Nylon

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

Hazard statements: **Not applicable for product as shipped.** For dust generated from further processing or fumes from thermal decomposition.  
H316 Causes mild skin irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements: **Prevention:**  
P261 Avoid breathing dust / fumes / gas / mist / vapors / spray.  
P280 Wear protective gloves.  
P271 Use in a well-ventilated area.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.  
P337 + P313: If eye irritation persists: Get medical advice / attention.  
P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.  
P363 Wash contaminated clothing before reuse.  
**Disposal:**  
P501 Dispose of contents / container to an approved waste disposal plant.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous components

Component	CAS-No.	Concentration (%)
Poly(hexamethylene adipamide)	32131-17-2	-
Aluminum borosilicate glass	65997-17-3	-

### SECTION 4: FIRST AID MEASURES

For dust generated from further processing or fumes generated from thermal decomposition:

**EYE CONTACT:** Flush eyes with water as precaution. Remove contact lenses if applicable. Protect unharmed eye. Keep eye wide open while rinsing. If irritation persists, seek medical attention.

**SKIN CONTACT:** For skin contact with fume condensate, immediately wash thoroughly with soap and water. If irritation develops, seek medical attention. For molten plastic skin contact, cool rapidly with water and immediately seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvent for removal.

**INGESTION:** Not a probable route of exposure.

# SAFETY DATA SHEET



## Nylon

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

---

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat symptomatically.

---

### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** May burn, but will not readily ignite.

**EXTINGUISHING MEDIA:** Water spray and 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.

**SPECIAL FIRE FIGHTING PROCEDURES:** Full protective equipment, including self-contained breathing apparatus is recommended as protection from fumes from large fires.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide, and hydrocarbon fragments.

---

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Remove from all floor areas to allow for stable footing and preventing slips by personnel.

---

### SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid storing containers near foodstuffs due to possibility of odor and taste contamination of food. Do not store containers near heating devices, hot pipes, etc. Store in a dry place away from moisture, excessive heat and sources of ignition.

---

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** Provide either general or local exhaust ventilation to minimize exposure.

# SAFETY DATA SHEET



## Nylon

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

**RESPIRATORY PROTECTION:** Under conditions of excessive fume concentration, a NIOSH/MSHA approved device with organic vapor acid gas rating or fresh air supply should be used.

**EYE PROTECTION:** Wear ANSI approved safety glasses or chemical workers goggles.

**SKIN PROTECTION:** Wear gloves that will prohibit penetration when handling hot plastic.

Exposure Guidelines:

Ingredient Name	CAS #	CGIH TLV	OSHA PEL
Carbon Black	1333-86-4	-	3.5 mg/m <sup>3</sup>
Titanium Dioxide	13463-67-7	-	15 mg/m <sup>3</sup>

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Solid molded part

**ODOR:** Slight

**MELTING POINT:** This product does not exhibit a sharp melting point, but softens gradually over a wide temperature range.

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.10-1.20 g/cc

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID (STABILITY):** Avoid heating above 433°F (223°C).

**MATERIAL TO AVOID (INCOMPATIBILITY):** None.

**CONDITIONS TO AVOID (POLYMERIZATION):** Will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** May be irritating to eyes and skin.

# SAFETY DATA SHEET



## Nylon

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

---

### SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No known or expected toxicity.

---

### SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

---

### SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT): Not regulated as a dangerous good.

GENERAL: Not regulated as a dangerous good.

---

### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All substances listed on inventory.

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: No

#### STATE REGULATIONS:

Materials known to the State of California to cause cancer or reproductive toxicity: This product poses no significant risk to persons exposed during normal use as defined by the California Safe Drinking Water and Toxics Enforcement Act (Proposition 65).

#### INTERNATIONAL REGULATIONS:

As an article, the product does not need to be labeled in accordance with EC-directives or respective national laws.

This product is REACH and RoHS compliant.

---

### SECTION 16: OTHER INFORMATION

#### DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are

# SAFETY DATA SHEET



## Nylon

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

---

described herein, we cannot guarantee that these are the only hazards that exist.