

SAFETY DATA SHEET



Torlon®

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

SECTION 1: IDENTIFICATION

Product Names: Torlon®
Other / Generic Names: Poly(amide-imide)

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
Email Address: info@thegundcompany.com
Emergency Telephone: (262) 522-7990

Recommended use of the chemical and restrictions on use

Recommended use: Used in the plastics industry.
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

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Hazard statements: **Not applicable for product as shipped.** For dust generated from further processing.
May form combustible dust concentrations in air.

Precautionary statements: **Prevention:**
Avoid dust formation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components

| Component | CAS-No. | Concentration (%) |
|----------------------------|------------|-------------------|
| Graphite | 7782-42-5 | 10 – 15 |
| Quartz (SiO ₂) | 14808-60-7 | 0.3 – 0.5 |
| Poly(amide-imide) Polymer | - | 82 – 92 |
| Polytetrafluoroethylene | 9002-84-0 | 1 – 3 |

SECTION 4: FIRST AID MEASURES

GENERAL ADVICE: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

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: Wash off with soap and water. Wash contaminated clothing before re-use. If symptoms persist, call a physician. Cool skin rapidly with cold water after contact with hot polymer. Do not peel polymer from the skin. Obtain medical attention.

INGESTION: If swallowed, do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

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: Product is not considered flammable.

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EXTINGUISHING MEDIA: Powder, foam, water, water spray, and carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: In the event of fire, wear self-contained breathing apparatus. Fire fighters must wear fire resistant personnel protective equipment.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products may include carbon monoxide (CO).

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Keep in properly labeled containers. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLINING AND STORAGE

HANDLING AND STORAGE: Take measures to prevent the buildup of electrostatic charge. Ensure all equipment is electrically grounded before beginning transfer operations. Keep container closed and away from heat and sources of ignition. Keep away from open flames, hot surfaces, and sources of ignition.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Provide appropriate exhaust ventilation at places where dust is formed.

RESPIRATORY PROTECTION: When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

EYE PROTECTION: Wear safety glasses with side-shields and dust proof goggles, if dusty.

SKIN PROTECTION: Long sleeved clothing suggested.

Exposure Guidelines:

| Ingredient Name | CAS # | CGIH TLV | OSHA PEL |
|----------------------------|------------|----------------------|----------|
| Graphite | 7782-42-5 | 15 mg/m ³ | - |
| Quartz (SiO ₂) | 14808-60-7 | 10 mg/m ³ | - |

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------------------|
| APPEARANCE: | Solid material, black in color |
| ODOR: | Odorless |
| MELTING POINT: | 536°F (280°C) |
| SOLUBILITY IN WATER: | Negligible |
| SPECIFIC GRAVITY (H ₂ O=1): | 1.41 - 1.63 g/cc |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---------------------------------------|--|
| STABILITY: | Stable under normal conditions. |
| CONDITIONS TO AVOID (STABILITY): | Avoid heat, flames, and sparks. Do not overheat. |
| MATERIAL TO AVOID (INCOMPATIBILITY): | None known. |
| CONDITIONS TO AVOID (POLYMERIZATION): | Will not occur. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|----------------------------|--|
| TOXICOLOGICAL INFORMATION: | This product should not be harmful under normal conditions of use. |
|----------------------------|--|

SECTION 12: ECOLOGICAL INFORMATION

| | |
|-------------------------|--|
| ECOLOGICAL INFORMATION: | This product should not be harmful under normal conditions of use. |
|-------------------------|--|

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|------------------------|--|
| WASTE DISPOSAL METHOD: | Dispose in accordance with all applicable regulations. |
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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 described herein, we cannot guarantee that these are the only hazards that exist.