

SAFETY DATA SHEET



Polyamide 66

Version 1

Revision Date 07/15/2024

Print Date 07/15/2024

SECTION 1: IDENTIFICATION

Product Names: Polyamide 66 / PA 66
Other / Generic Names: Glass Fiber Reinforced Polyamide Resin

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: Polymer, for industrial processing only.
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

No need for classification according to GHS criteria for this product.

GHS Label Element

None required.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration (%)
Copper Iodide	7681-65-4	≤ 0.1

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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:** Burns caused by molten material require hospital treatment. If irritation develops, seek medical attention.
- INGESTION:** Rinse mouth and then drink 200-300 ml of water. Ingestion is not likely in the available physical form. If ingested, seek medical attention. Do not induce vomiting. Immediate medical attention required.
- 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:** Not self-igniting.
- EXTINGUISHING MEDIA:** Suitable extinguishing media includes water spray, foam, and dry powder. For safety reasons, unsuitable extinguishing media include water jet.
- SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Wear self-contained breathing apparatus and chemical-protective clothing.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Ammonium hydroxide, carbon monoxide, cyclopentanone, hydrogen cyanide, amine derivatives, nitriles. Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** Pick up with suitable appliance and dispose of.

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SECTION 7: HANDLINING AND STORAGE

HANDLING AND STORAGE:

Keep container tightly closed and dry and store in a cool place. Avoid dust formation, product dust can form an explosive mixture with air. Protect against moisture.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION:

Ensure adequate ventilation. Provide local exhaust ventilation to control dusts/vapors.

RESPIRATORY PROTECTION:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

EYE PROTECTION:

Wear safety glasses with side-shields or tightly fitting safety goggles (chemical goggles).

SKIN PROTECTION:

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions. Body protection must be chosen based on level of activity and exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Solid

ODOR:

Odorless

MELTING POINT:

Approx. 500°F (260°C)

SOLUBILITY IN WATER:

Insoluble

SPECIFIC GRAVITY (H₂O=1):

1.15 - 1.60 g/cc

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

This product is chemically stable.

CONDITIONS TO AVOID (STABILITY):

Avoid temperatures above 608°F (320°C).

MATERIAL TO AVOID (INCOMPATIBILITY):

No substances known that should be avoided.

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CONDITIONS TO AVOID (POLYMERIZATION): Possible decomposition products include Ammonium hydroxide, carbon monoxide, carbon dioxide, cyclopentanone, hydrogen cyanide, amines, and nitriles.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Material is not biodegradable.

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).

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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.