

SAFETY DATA SHEET



Kapton® Polyimide Film

Version 1

Revision Date 07/01/2024

Print Date 07/01/2024

SECTION 1: IDENTIFICATION

Product Names: Kapton® Polyimide Film

Other / Generic Names: Polymeric Film

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 as insulation for wire and cable formed coils, magnet wire and transformers, and motor slot lines.

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

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Not classified as hazardous.

GHS Label Element

None required.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration (%)
Polyimide Polymer	Proprietary	60 - 100
Dimethylformamide	68-12-2	< 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:** Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Get medical attention if irritation develops and persists.
- INGESTION:** If swallowed, call a physician or poison control center immediately. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Rinse mouth.
- 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 reported as "self-extinguishing".
- EXTINGUISHING MEDIA:** Use dry chemical, CO₂, water spray, or fog. Do not use a solid water stream as it may scatter and spread fire.
- SPECIAL FIRE FIGHTING PROCEDURES:** Fire-fighters should wear self-contained breathing apparatus.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products include benzene, carbon dioxide, carbon monoxide, water, ammonia, hydrogen cyanide, and benzonitrile.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** Sweep up and shovel into suitable containers for disposal.
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SECTION 7: HANDLING AND STORAGE

- HANDLING AND STORAGE:** Keep in properly labeled containers. Keep containers tightly closed in a dry, cool, and well-ventilated place. Protect from

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direct sunlight. Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store away from flammable materials. Precautions for static charge should be taken while removing plastic films used as protective packaging.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: If handling at high temperatures, adequate ventilation is required.

RESPIRATORY PROTECTION: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

EYE PROTECTION: Wear safety glasses with side shields (or goggles).

SKIN PROTECTION: Wear protective gloves and protective clothing.

Exposure Guidelines:

Ingredient Name	CAS #	CGIH TLV	OSHA PEL
Dimethylformamide	68-12-2	10 ppm	30 mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Film

ODOR: Odorless

MELTING POINT: None

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY (H₂O=1): 1.42 g/cc

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Avoid extreme temperatures and direct sunlight.

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MATERIAL TO AVOID (INCOMPATIBILITY): Avoid finely powdered metals and fluorinated compounds.

CONDITIONS TO AVOID (POLYMERIZATION): Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Product does not present an acute toxicity hazard based on known or supplied information.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Product is not expected to bio-degrade significantly in the environment.

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

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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.