

SAFETY DATA SHEET



Vespel®

Version 1

Revision Date 07/15/2024

Print Date 07/15/2024

SECTION 1: IDENTIFICATION

Product Names: Vespel®

Other / Generic Names: Polyimide

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: Ideal for use in hostile and extreme environmental conditions.

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 (%)
Poly-N-N'-(P,P'-oxydiphenylene) Pyromellitimide	None	-

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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:** The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. Remove affected clothing. If signs / symptoms develop, get 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:** Inherently flame retardant.
- EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical. Product will not support flame in air.
- SPECIAL FIRE FIGHTING PROCEDURES:** As with all plastics, if the product is involved in a fire, full protective equipment, including self-contained breathing apparatus, is recommended.
- HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO₂, smoke at temperatures over 572°F (300°C), some resin compositions may give off the decomposition products of polytetrafluoroethylene.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** After clean-up, wash hands thoroughly.

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SECTION 7: HANDLINING AND STORAGE

HANDLING AND STORAGE: None.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Provide sufficient ventilation in volume and pattern to keep contaminants below OSHA requirements.

RESPIRATORY PROTECTION: None. Use normal good industrial hygiene practices. Avoid breathing dust.

EYE PROTECTION: None required. However, it is desirable in almost all industrial situations. Include splash guards or side shields for machining operations.

SKIN PROTECTION: None required.

Exposure Guidelines:

Ingredient Name	CAS #	CGIH TLV	OSHA PEL
Graphite	7782-42-5	-	10 mg/m ³
Polytetrafluoroethylene	9002-84-0	10 mg/m ³	15 mg/m ³
Molybdenum-disulfide	1317-33-5	-	10 mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid

ODOR: None

MELTING POINT: Not applicable

SOLUBILITY IN WATER: Not soluble

SPECIFIC GRAVITY (H₂O=1): 1.33 – 1.67 g/cc

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID (STABILITY): Not applicable.

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MATERIAL TO AVOID (INCOMPATIBILITY): None reasonably foreseeable.

CONDITIONS TO AVOID (POLYMERIZATION): Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: None

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.