

# SAFETY DATA SHEET



## UHMW-PE

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

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### SECTION 1: IDENTIFICATION

Product Names: UHMW-PE

Other / Generic Names: Ultra-High Molecular Weight Polyethylene

#### 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: Used in electrical insulation applications.

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

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### SECTION 2: HAZARDS IDENTIFICATION

#### GHS Classification

Not classified as hazardous.

#### GHS Label Element

None required.

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous components

Component	CAS-No.	Concentration (%)
Polyethylene	9002-88-4	≤ 100

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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.

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---

**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. Get medical attention immediately if symptoms occur.

**INGESTION:** Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

**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.

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### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Product will burn slowly.

**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), powder, and water spray.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include carbon monoxide, carbon dioxide, and selected alkanes and aldehydes including acrolein and formaldehyde.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

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### SECTION 7: HANDLING AND STORAGE

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

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### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: None required under normal conditions.

RESPIRATORY PROTECTION: None required under normal conditions.

EYE PROTECTION: Wear appropriate protective eyeglasses or chemical safety goggles.

SKIN PROTECTION: Wear appropriate protective gloves and clothing to prevent skin exposure.

Exposure Guidelines:

Ingredient Name	CAS #	CGIH TLV	OSHA PEL
Polyethylene	9002-88-4	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid material, white in color

ODOR: Odorless

MELTING POINT: 219.2-280.4°F (104-138°C)

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.945 g/cc

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### SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID (STABILITY): None.

MATERIAL TO AVOID (INCOMPATIBILITY): Incompatible with oxidizing agents.

CONDITIONS TO AVOID (POLYMERIZATION): Will not occur.

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### SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No known or expected toxicity.

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### SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No known or expected toxicity.

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### 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.

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### 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.

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### 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

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