

SAFETY DATA SHEET



Polycarbonate

Version 1

Revision Date 08/02/2024

Print Date 08/02/2024

SECTION 1: IDENTIFICATION

Product Names: Polycarbonate

Other / Generic Names: Trade names include Palsun[®], Lexan[®], Spartech[®], Tuffak[®], Merlin[®], Makrolon[®], and Hyzod[®].

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 electrical insulation applications.

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 (%)
Polycarbonate	25037-45-0	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.
- 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:** If molten material contacts skin, cool rapidly with cold water and obtain medical attention for thermal burn.
- INGESTION:** This material is not expected to be absorbed within the gastrointestinal tract, so induction of vomiting should not be necessary.
- 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 and generate smoke when exposed to an ignition source.
- EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, or water.
- SPECIAL FIRE FIGHTING PROCEDURES:** Full protective equipment, including self-contained breathing apparatus is recommended as protection.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** Avoid generation of dust. Remove all sources of ignition. Sweep or scoop up into closed containers for disposal.
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SECTION 7: HANDLING AND STORAGE

- HANDLING AND STORAGE:** Prohibit sources of spark and ignition, such as smoking. Processing of this product under high temperatures will cause hazardous emissions of vapors, carbon monoxide

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or carbon dioxide. Extensive storing at higher than the maximum temperature of 120°F (49°C) will emit vapors, carbon monoxide or carbon dioxide.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Provide good ventilation and/or an exhaust system in the work area.

RESPIRATORY PROTECTION: None required under normal conditions.

EYE PROTECTION: Safety glasses with side shields (ANSI Z87.1 equivalent).

SKIN PROTECTION: Wear canvas or cotton gloves. Wear suitable protective clothing and boots.

Exposure Guidelines:

Ingredient Name	CAS #	CGIH TLV	OSHA PEL
Polycarbonate	25037-45-0	N/A	N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid material, clear to translucent

ODOR: N/A

MELTING POINT: 428-446°F (220-230°C)

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY (H₂O=1): 1.2 g/cc

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID (STABILITY): Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.

MATERIAL TO AVOID (INCOMPATIBILITY): Avoid acids, bases, and strong oxidizing agents.

CONDITIONS TO AVOID (POLYMERIZATION): Will not occur.

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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 is a solid, inert product with low volatility, and is essentially insoluble in water.

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 can expose you to chemicals including Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm 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 described herein, we cannot guarantee that these are the only hazards that exist.