

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name POLYBAC #519 w/Small Beads - PART A

Company POLYGem INC.
PO Box 609
West Chicago, Illinois 60185

Telephone 630 231 5600
630 231 5604 (Fax Line)

Emergency telephone number USA +1 800 535 5053
International 01 352 323 3444

SECTION 2. HAZARDS IDENTIFICATION

OSHA GHS classification This product is classified as hazardous as defined within the GHS OSH Hazard Communication Standard 29CFR1910.1200.

Classification of the substance or mixture Skin irritation: Category 2, H315
Skin Sensitization Category 1, H317
Eye irritation: Category 2, H319

GHS LABEL ELEMENTS

Hazard symbols



Signal word Warning

Hazard statements H315 Causes skin irritation
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

Response P361 Avoid breathing mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P337+P313 If eye irritation persists: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

SECTION 2. HAZARDS IDENTIFICATION, CONTINUED

Disposal P501 Dispose of contents and containers in accordance with local, regional, and international regulations. Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) - Annex III

HMIS rating	CHEMICAL NAME	
	Health	2
	Flammability	1
	Physical hazard	0
	Personal protection	F

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS

Eye contact Mild or moderate irritation, possible minor temporary cornea injury.

Skin contact May cause skin irritation on prolonged or repeated exposure.

Skin absorption Not considered toxic.

Inhalation May cause nasal irritation, central nervous system depression or lung injury.

Chronic effects over exposure None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS	OSHA PEL*	ACGIH TLV*	WT%
Aluminum Oxide	1344-28-1	N/E	N/E	50-60
Silicon Carbide	409-21-2	N/E	N/E	10
Bisphenol A Epoxy Resin	25058-99-8	N/E	N/E	10
Calcium Carbonate	1317-65-3	N/E	N/E	10
Silica, amorphous, fumed, crystalline free	112945-52-5	N/E	N/E	2

ALL INGREDIENTS ARE REGISTERED ON TSCA.

Unless otherwise noted, all PEL and TLV Values are reported as 8 hour time weighted averages (TWA).

STATEMENT OF HAZARDOUS NATURE HAZARDOUS SUBSTANCE.

NON-DANGEROUS GOODS.

According to the Criteria of NOHSC, and the ADG Code

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS, CONTINUED

Emergency overview Mild or moderate eye irritation. May cause skin irritation. Harmful if swallowed.

HIMS rating HEALTH-2, FLAMMABILITY-1, REACTIVITY-1

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS

Eye contact Mild or moderate irritation, possible minor temporary cornea injury

Skin contact May cause skin irritation on prolonged or repeated exposure.

Skin absorption Not considered toxic

Inhalation May cause nasal irritation, central nervous system depression or lung injury.

Chronic effects over exposure None

Upper flammable limit N/A

Recommended extinguisher media Foam, carbon dioxide, dry chemicals or fog

Special fire fighting procedures Firefighters should wear protective goggles and self contained breathing apparatus to avoid inhalation of smoke or vapors. Remove all ignition sources.

Unusual fire or explosion hazards None known to Polygem

SECTION 6. ACCIDENTAL RELEASE MEASURES

Special protection Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred.

Steps to be taken in case material is released or spilled Ventilate the area. Absorb spill with suitable absorbent material and place into a closed container. Prevent material from entering waterways. Wear protective equipment during cleanup. Use eye and skin protection.

Transport emergency phone number (INFOTRAC) 1-800-535-5053

SECTION 7. HANDLING AND STORAGE

Handling Harmful or irritation material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.

Storage Store in a cool, dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory protection** If vapor or mist is generated and the occupational exposure limit is exceeded, use appropriate NIOSH/MSHA approved self-contained breathing equipment or a full face respirator. Respirators should be selected by and used following requirements found in OSHA's respirator standards (29 CFR 1910134). Not required for properly ventilated area. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
- Ventilation** Local exhaust and general ventilation is recommended.
- Hand protection** Nitrile Rubbers gloves
- Eye protection** Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
- Skin and body protection** Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** Gel
- Color** White
- Odor** Aromatic odor
- Weight by gallon** 15 lbs.
- Solids (% by weight)** 100
- V.O.C.** 0 g/L
- Bolling range** 280 F
- Melting point** N/A
- Density** 1.2
- Percent volatile** 0 by weight
- Vapor density (air=1)** Heavier than air
- Vapor pressure (mm Hg)** N/A
- Evaporation rate** N/A
- Water miscibility** Limited

SECTION 10. STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	Strong oxidizers, acids, bases and epoxy hardeners under controlled conditions.
Hazardous polymerization	Will not occur
Hazardous decomposition products	Carbon Monoxide, Carbon Dioxide, smoke. Others Unknown.
Conditions to avoid	Heat and warm storage

SECTION 11. TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Epoxy resin	Not established

SECTION 12. ECOLOGICAL INFORMATION

Overview No ecological information available.

SECTION 13. DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14. TRANSPORT INFORMATION

(Consult Bill of Lading for transportation information)

DOT	Not regulated
IATA	Not regulated

SECTION 15. REGULATORY INFORMATION

OSHA Hazard Communication Standard (29 CFR 1910.1200) Hazard Class(es) N/A

SARA Hazard Classification SARA Title III Regulations (40 CFR 370): Acute

SARA Section 313 Listed Ingredients This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT Proper Shipping Name N/A

UN Number N/A

SECTION 16. OTHER INFORMATION

This information is furnished without warranty, representation inducement or license of any kind, except that is accurate to the best of Polygem Inc. knowledge, or obtained from sources believed by Polygem Inc. to be accurate and Polygem Inc. does not assure any legal responsibility for use reliance upon the same. Customers are encouraged to conduct their own tests. Before using any product, please read its label.

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