



Radiation Products Design, Inc.

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**RPD is an authorized
distributor**

RPD Product Information

Item Number	Description
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3050-262	Gamma Putty, 10 lb. Can
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Material Safety Data Sheet

SWX-262 Gamma Putty

Shieldwerx
4135 Jackie Rd. SE, Suite 108
Rio Rancho, NM 87124

Tel: 505.892.5144
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Section I

Chemical Name & Synonyms: Bismuth & Low Density Polyethylene Mixture
Trade Name & Synonyms: SWX-262 Gamma Putty
Formula: Group IV B Metal, LDPE Bi and (CH₂)_n

Section II – Hazardous Ingredients

<u>Material</u>	<u>CAS#</u>	<u>%</u>	<u>TLV</u>
Bismuth	7440-69-9		
Poly	9002-88-4		

Section III - Physical Data

Boiling Point:	N/A	Specific Gravity (H ₂ O=1):	4.3 g/cc
Vapor Pressure (mm Hg):	N/A	Percent volatile by volume (%):	<1
Vapor Density (Air=1):	N/A	Evaporation Rate:	N/A
Solubility in Water:	Negligible	Melting Point: (°F)	(hydrocarbon compound) Approx. 120
Appearance & Odor:	Dense black putty, slight oil-like odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 425 °F-ASTM-92
Flammable Limits: N/A
Extinguishing Media: Smother or dry chemical – DO NOT USE WATER.

Special Fire Fighting Procedures: Use self-contained breathing apparatus (NIOSH/MSHA approved) and protective clothing when fighting fires for lead.

Unusual Fire and Explosion Hazards: None

continued

Section V - Health Hazard Data

Threshold Limit Value: N/A

Effects of Overexposure:

Skin: No known hazard.
Eyes: Irritation.
Inhalation: Unlikely
Ingestion:

Emergency and First Aid Procedures:

Skin: Wash with soap and water after exposure
Eyes: Flush eyes immediately with large amounts of water for at least 15 minutes. Get medical attention if irritation persists
Inhalation: N/A
Ingestion:

Section VI – Reactivity Data

Stability: Stable
Incompatibility (materials to avoid): Not Likely
Hazardous Decomposition Products: Thermal decomposition products may include C, CO, CO₂, H₂O and organic vapors
Hazardous Polymerization: Will not occur

Section VII – Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Pick up and return to container for reuse or disposal.

Waste Disposal Method: Solid waste disposal site in accordance with federal, state, and local regulations.

Section VIII – Special Protection Information

Respiratory Protection: None required for intended usage of product.

Ventilation:

Local Exhaust: None required.
Mechanical: N/A
Special: N/A
Other: N/A

Protective Gloves: Plastic or rubber recommended with significant skin contact. Do not use latex gloves

Eye Protection: Recommended if eye contact is possible.

Other Protective Equip: A gauze or plaster mask between patient's skin and Gamma Putty is recommended.

Section IX – Special Precautions

Precautions to be taken in handling and storing: Do not heat over 110 °F. Do not smoke or eat when handling this material.

Other Precautions: None