

## 1. Chemical Product and Company Identification

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620

Product Name: **POLYGEL 40, 50 & SPRAY 50 LIQUID RUBBER PART B**

Chemical Family: Trade secret blend of polyol and aromatic diamine

## 2. Hazardous Constituents

| Ingredient/CAS #                         | Exposure Limits   |
|--|---|
| Polyol                                   | None established  |
| Aromatic diamine                         | None established  |
| Proprietary aryl mercury compound (0.2%) | ACGIH TLV 0.1 mg/m <sup>3</sup> TWA<br>OSHA PEL 0.1 mg/m <sup>3</sup> (Ceiling) |

## 3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Skin or eye contact, or ingestion

EYE: May cause eye irritation.

SKIN: Exposure may cause skin irritation and/or redness.

INGESTION: Toxic by ingestion (contains 0.2% of a mercury compound; also contains an aromatic diamine). May cause gastrointestinal discomfort if ingested.

INHALATION: At room temperature, vapors are minimal and material is not expected to be an inhalation hazard. Vapors or aerosols (e.g., generated during heating or spraying) may cause respiratory irritation.

CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.

CHRONIC EFFECTS: Long-term overexposure to mercury has been associated with central nervous system and kidney disorders. Some aryl mercury compounds have been found to cause developmental effects to fetuses in animal studies.

## 4. First Aid Measures

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wipe off. Wash with soap and plenty of warm water. Seek medical attention if irritation develops.

INHALATION: Remove to fresh air. Treat symptomatically. Seek medical attention.

INGESTION: If alert, drink water to dilute, then induce vomiting. Seek medical attention.

## 5. Fire Fighting Measures

FLASH POINT: >370°F (estimated)

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, or water fog.

HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide, nitrogen oxides, formaldehyde, mercury vapor, and unidentified toxic and irritating compounds.

OTHER INFORMATION: Firefighters wear protective gear and self-contained breathing apparatus (SCBA). A direct stream of water or foam into hot product may cause frothing and increase fire intensity.

## 6. Accidental Release Measures

Clear non-emergency personnel from the area. Remove sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with non-reactive absorbent such as sawdust, vermiculite, or sand. Collect and containerize spill material. Dispose of in accordance with federal, state and local regulations.

## 7. Handling and Storage

HANDLING: Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Use in adequately ventilated area. Do not eat, drink or smoke in work area. Wash hands after handling. See also Section 8 of MSDS.

STORAGE: Store indoors. Do not exceed 120°F. Store in original container tightly closed.

## 8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to minimize airborne concentrations.

PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., chemical splash goggles or safety glasses), protective clothing and rubber gloves (e.g., nitrile).

RESPIRATORY PROTECTION: When hand-mixing with adequate local ventilation, respiratory protection is not normally needed. When spraying, use a positive-pressure supplied-air respirator. If unavailable, use a full-face respirator equipped with organic vapor cartridges. In emergency situations, use SCBA. Respirators must be used in compliance with OSHA's respiratory protection standard (29 CFR 1910.134).

## 9. Physical Characteristics

APPEARANCE: Brown or yellow liquid

VAPOR PRESSURE: < 1 mm Hg @ 25°C

ODOR: Mild odor

SOLUBILITY IN WATER: Negligible

BOILING POINT: No data

SPECIFIC GRAVITY: ~1.0 @ 25°C

## 10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid excessive heat and exposure to sunlight.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers, acids, organic sulfur compounds, and aluminum.

HAZARDOUS DECOMPOSITION PRODUCTS: Potentially oxides of carbon and nitrogen, organic acids, mercury vapor, and other unidentified irritating or toxic compounds

## 11. Regulatory and Other Information

COMMUNITY RIGHT-TO-KNOW: This product contains the following Section 313 ingredients:

| Mercury Compound | Trade secret CAS # | ≤0.2 % by weight |
|------------------|--------------------|------------------|
|------------------|--------------------|------------------|

DISPOSAL: Upon disposal, this product (uncured) is a characteristic RCRA hazardous waste (D009 - owing to mercury content) as defined in 40 CFR 261. Cured materials may be RCRA-regulated for mercury. Dispose of in accordance with federal, state and local regulations.

TRANSPORT: Not a hazardous material for shipping purposes based on *United Nations Recommendations for the Transport of Dangerous Goods* and 49 CFR Part 171.

CA PROPOSITION 65: "WARNING: This product contains a chemical [mercury] known to the State of California to cause birth defects or other reproductive harm."

HMS: Health=2; Flammability=1; Reactivity=1; PPE=H

EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.

REVISION INDICATOR: Various minor changes.

DISCLAIMER: The information contained herein is considered accurate; however, Polytek makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.