

1. Chemical Product and Company Identification

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620
Product Name: **POLY PT FLEX SERIES LIQUID RUBBER PART B**
PT FLEX 20B, PT FLEX 50B, PT FLEX 60B, PT FLEX 70B & PT FLEX 85B
Chemical Family: Polyether polyol and trade secret ingredients

2. Hazardous Constituents

<u>Ingredient/CAS #</u>	<u>Exposure Limits</u>
Aryl mercury compound (<1.0%), proprietary CAS	ACGIH TLV 0.1 mg/m ³ TWA OSHA PEL 0.1 mg/m ³ (Ceiling for mercury)
Aromatic diamine, proprietary CAS	None established
Phthalate ester, proprietary CAS	None established

3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Skin or eye contact
EYE: May cause eye irritation.
SKIN: Exposure may cause skin irritation and/or redness.
INGESTION: Toxic by ingestion owing to mercury compound. May cause gastrointestinal discomfort if ingested.
INHALATION: May result in respiratory tract 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.

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 symptoms. Seek medical attention.
INGESTION: Seek medical attention.

5. Fire Fighting Measures

FLASH POINT: >200°F (estimated)
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, or water fog.
HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide, mercury vapor, and unidentified toxic and irritating compounds.
OTHER INFORMATION: Firefighters wear protective gear and self-contained breathing apparatus.

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 at room temperature in original container tightly closed. Avoid excessive temperatures (hot or cold).

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to minimize airborne concentrations.
PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical splash goggles), protective clothing, and chemically resistant gloves (e.g., nitrile).
RESPIRATORY PROTECTION: During normal use with good ventilation, respiratory protection is not needed. In an emergency use a supplied-air respirator, or, if unavailable, a respirator equipped with organic vapor cartridges.

9. Physical Characteristics

APPEARANCE: Clear amber liquid, except PT Flex 20 B is Tan, opaque liquid
VAPOR PRESSURE: Negligible
SOLUBILITY IN WATER: Negligible
ODOR: Slight
SPECIFIC GRAVITY: 1.0-1.1 @ 71°F
BOILING POINT: No data

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid heat (>80°F) and moisture to protect product integrity.
INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers, isocyanates, and acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Potentially oxides of carbon, 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 ingredient:

<u>Ingredient</u>	<u>CAS #/Category</u>	<u>Weight %</u>
Mercury Compound	N458	0.2-0.4

DISPOSAL: Upon disposal, uncured Part B is a characteristic RCRA hazardous waste owing to mercury content (D009 as defined in 40 CFR 261). Dispose of in accordance with all regulations.
CA PROPOSITION 65: "WARNING: This product contains a chemical [mercury] known to the State of California to cause birth defects or other reproductive harm."
DOT TRANSPORT: Not a hazardous material for shipping purposes based on 49 CFR Part 171.
IMDG TRANSPORT: PT Flex 20B, 50B and 60B are not regulated. But, PT Flex 70B and 85B are UN 3082, Environmentally hazardous substance, liquid, n.o.s. (aromatic diamine), 9, PG III, Marine Pollutant.
EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.
EUROPEAN CLASSIFICATION: Harmful-Xn, R20/21/22, 33; S13, 28, 36, 45
HMS RATING: Health - 2, Flammability - 1, Reactivity - 0, PPE - C
MSDS REVISION INDICATOR: Added PT Flex 85B. Revised transport information in Section 11.
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.