

1. Identification

Product Identifier: **Poly 75-59 Liquid Rubber Part B**
Poly 75-60 Liquid Rubber Part B
Poly 75-70 Liquid Rubber Part B
Poly 75-75 Liquid Rubber Part B
Poly 75-81 Liquid Rubber Part B
Poly 75-90 Liquid Rubber Part B

Product Code(s): 75-59B, 75-60B, 75-70B, 75-75B, 75-81B, 75-90B

Use: Component for Polyurethane Mold Rubber.
For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.
55 Hilton St., Easton, PA 18042 USA

Phone Number: +1 610-559-8620 (9 a.m. to 5 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or
+1 703-527-3887

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2. Hazards Identification

GHS Classification:

Eye Irritation Category 2
 Skin Sensitizer Category 1
 Specific Target Organ Toxicity – Repeat Exposure Category 2
 Aquatic Toxicity - Chronic Category 2 (except 75-70B is Chronic 3)

Label Elements: Warning!



Hazard Phrases

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H373 May cause damage to pancreas through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long-lasting effects.

Precautionary Phrases

P260 Do not breathe vapors.
 P272 Contaminated work clothing should not be allowed out of the work area.
 P273 Avoid release to the environment.
 P280 Wear eye and 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.
 P314 Get medical advice if you feel unwell.
 P333 + P313 If skin irritation or rash occurs: Get medical advice or attention.
 P337+P313 If eye irritation persists: Get medical advice or attention.
 P391 Collect spillage.
 P501 Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device in accordance with local and national regulations.

Supplemental Information: May cause skin irritation. This is one part of a two-part system. Read and understand the hazard information on Part A before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Diethyltoluenediamine	68479-98-1	0-10
Dimethylthiotoluenediamine	106264-79-3	0-20

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation persists.

Inhalation: Remove person to fresh air. Get medical attention if symptoms persist.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

Most Important Symptoms/Effects: May cause an allergic skin reaction. Causes serious eye irritation. May be harmful if swallowed.

Indication of Immediate Medical Attention/Special Treatment: If product gets in eyes, immediately flush with water.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions. Combustion products include oxides of carbon and nitrogen, oxides of sulfur, sulfuric acid, organic acids, and other toxic organic compounds.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Caution – spill area may be slippery.

Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment. Report spills and releases as required to appropriate authorities.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep container closed when not in use.

Safe Storage: Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: None established.

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles.

Other Protective Measures: Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid of varied colors
Odor: Amine-like, pungent
Odor Threshold: No data available
pH: Not applicable
Melting Point: No data available
Boiling Point: No data available
Flash Point: >176°C (350°F)
Evap. Rate: No data available
Upper/Lower Flammability Limits: No data available
Vapor Pressure: <0.01 mm Hg @ 25°C
Vapor Density: No data available
Relative Density: 1.0 @ 25°C
Solubility: Slightly soluble in water
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 150-1500 cP

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under recommended conditions.
Possibility of Hazardous Reactions: None known.
Conditions to Avoid: Avoid excessive heat and exposure to sunlight. Avoid moisture.
Incompatible Materials: Avoid contact with strong acids and strong oxidizing agents.
Hazardous Decomposition Products: Thermal decomposition will generate oxides of carbon and nitrogen, oxides of sulfur, organic acids, and/or other toxic organic compounds.

11. Toxicological Information

Eye Contact: May cause moderate to severe irritation.
Skin Contact: May cause mild irritation.
Inhalation: Vapors and mists may cause mild respiratory irritation.
Ingestion: Single oral dose toxicity is low. No harmful effects anticipated from ingesting small amounts incidental to normal handling. Large amounts may cause gastrointestinal effects.
Chronic Health Effects: Mixture has not been tested. Based on laboratory animal studies, diethyltoluenediamine ingredient may cause damage to the pancreas, liver, thyroid and eyes through prolonged exposure.
Acute Toxicity Values:
Diethyltoluenediamine: Oral rat LD50 738 mg/kg; Inhalation rat LC50 2.45 mg/L/1 hr; Dermal rabbit LD50 >2000 mg/kg.
Dimethylthiotoluenediamine: Oral rat LD50 1515 mg/kg; Dermal rabbit LD50 >2000 mg/kg.
Skin Corrosion/Irritation: Relevant components are not skin irritants.
Eye Damage/Irritation: Diethyltoluenediamine is a severe eye irritant.
Respiratory Irritation: Relevant components are not classified as respiratory irritants.
Respiratory Sensitization: Relevant components are not respiratory sensitizers.
Skin Sensitization: Dimethylthiotoluenediamine ingredient was positive in the guinea pig assay for skin sensitization.
Germ Cell Mutagenicity: Components are not mutagens.
Carcinogenicity: Components are not carcinogens.
Reproductive Toxicity: Components are not reproductive toxins.
Specific Target Organ Toxicity: Single Exposure: No data available. Repeat Exposure: In animal studies, diethyltoluenediamine caused adverse effects in the pancreas at 8-10 mg/kg. At higher doses, effects were seen in the liver and thyroid as well.

12. Ecological Information

Ecotoxicity: Based on the concentration of diethyltoluenediamine and/or dimethylthiotoluenediamine, these products are classified as hazardous to the aquatic environment (Aquatic Toxicity - Chronic Category 2; except 75-70B is Chronic 3).
Diethyltoluenediamine: Fish LC50 200 mg/L/48 hr; Daphnia EC50 0.5 mg/L/48 hr.
Dimethylthiotoluenediamine: Oncorhynchus mykiss LC50 16.9 mg/L/96 hr; Daphnia EC50 0.9 mg/L/48 hr.
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: Not expected to bioaccumulate.
Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state and federal regulations. For U.S.: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261).

14. Transport Information

Not regulated as a hazardous material by US DOT (49 CFR 171).
For International shipments: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine, Dimethylthiotoluenediamine), 9, III. Exception: 75-70 Part B is Not Regulated for transport by any mode
Emergency Shipping Information: CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:
CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.
SARA TITLE III
Section 311/312: Acute Health, Chronic Health
Section 313 Toxic Chemicals: This product contains no chemicals subject to SARA Title III Section 313 Reporting requirements.
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.
STATE REGULATIONS:
California Proposition 65: For 75-59B and 75-60B: WARNING: These products contain a chemical known to cause cancer and birth defects or other reproductive harm. (This warning is required owing to the presence of a plasticizer ingredient deemed by CA to cause cancer, but is not classified as hazardous under GHS.)
For 75-70B, 75-75B, 75-81B and 75-90B: These products do NOT contain substances known to the State of California to cause cancer and/or reproductive harm.

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.
Recommended Uses and Restrictions: This product is intended for industrial/professional use only.
SDS Revision Notes: Converted to GHS format.
Disclaimer: The information contained herein is considered accurate; however, Polytek® Development Corp. 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.