1. Identification
Product Identifier: Poly 74-Series Liquid Rubber Part A & Poly 75-Series Liquid Rubber Part B

2. Hazard Identification
GHS Classification:
Acute Toxicity - Inhalation Category 4
Skin Irritation Category 2
Eye Irritation Category 2
Respiratory Sensitization Category 1
Skin Sensitization Category 1
Reproductive Category 2
Specific Target Organ Toxicity-Single Exposure Category 2 (D333)

3. Composition/Information on Ingredients
Chemical Name CAS No. %
Triethylene Diamine (TED) 107-10-8 50
Polyether polyl-TDI polyester 9057-91-8 50

4. First-Aid Measures
Eye Contact: Rinse thoroughly with water for at least 15 minutes. Hold eyelids open to keep the material wet. Get prompt medical attention.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before reuse. Disposal items that cannot be determined.
Inhalation: Remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

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 material may cause violent steam generation.
Special Hazards: Not flammable or combustible. Use water as a coolant on burning materials.

6. Accidental Release Measures
Personal Precautions, Protective Equipment and Emergency Procedures: Remove all ignition sources. Clear non-emergency personnel from the area. Ventilate area. Use appropriate protective clothing to prevent eye and skin contact and respiratory protection.
Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material. Use suitable containers for disposal. Do not use water since the material will react with water. Use gear with respiratory and appropriate protective pressure suit. Use non-combustible materials.

7. Handling and Storage
Safe Handling: Avoid breathing vapors or mist. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling.
Storage: Store in well-ventilated area. Keep container tightly closed. Avoid exposure to moisture and direct sunlight. Use only in well-ventilated areas.

8. Exposure Controls/Personal Protection
Occupational Exposure Limits: For TDI: OSHA TLV 0.01 mg/m³, ACGIH TLV 0.005 mg/m³, TWA 0.02 mg/m³

9. Physical and Chemical Properties
Appearance: Clear pale yellow to amber liquid Odor: Fugitive, slightly sweet.

10. Stability and Reactivity
Stability: Stable under recommended conditions.
Incompatible Materials: Avoid contact with strong acids, bases, strong oxidizing agents, and room temperature.
Hazardous Decomposition Products: Form carbon oxides, hydrogen cyanide.

11. Toxicological Information
Eye Contact: Causes severe eye irritation. May cause temporary corneal injury.
Skin Contact: May cause temporary skin irritation.

12. Ecological Information
Poly 74A and 75A must with water to form insoluble polymer. Movement in the aquatic and terrestrial environment would be limited. The product is not readily biodegradable and not expected to bioaccumulate.

13. Disposal Considerations
Dispose according to local, state, and federal regulations. Upon exposure to moisture, product forms an inert, non-flammable and harmless. In the US, the product is not a CRAD hazardous waste (per 40 CFR 261).
1. Identification

Product Identifier: Polytek 74-20 Liquid Rubber Part B
Polytek 74-24 Liquid Rubber Part B
Polytek 74-29 Liquid Rubber Part B
Polytek 74-30 Liquid Rubber Part B
Polytek 74-39 White Liquid Rubber Part B
Polytek 74-79 Clear Liquid Rubber Part B
Polytek 74-79 Tt Liquid Rubber Part B
Polytek 74-91 Liquid Rubber Part B
Polytek 74-41 Liquid Rubber Part B
Polytek 74-45 Liquid Rubber Part B


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

Manufacturer: Polytek Development Corp.
55 Valley St., Ennism, PA 19462 USA
Phone Number: +1 610-394-4620 (9 a.m. to 5 p.m. EST)
Emergency Phone: CHEMTREC 800-424-6500 or +1 703-577-3847
E-mail: info@polytek.com

2. Hazards Identification

GHS Classification:
- Contains Dibutylhexamethylenimine
- Hazard Class: 8
- Inflammable solids
- Explosive solids
- Corrosive
- CAC Category: C
- EINECS: 246-059-6

Hazard Phrases:
- H373 May cause damage to persons through prolonged or repeated exposure.
- P300 Do not breathe vapors.
- P314 Get medical advice if you feel unwell.
- P301 Dispose of contents/container/labeled, permitted or registered for other disposal by laws.
- P303/361/371/390: Use personal protective equipment/If skin or eye irritation occurs, get medical advice immediately/If medical assistance is needed/In case of fire, use water, dry powder, dry chemical.
- P370/373/375/376/378/380: Use water, organic liquid, ice, use water and a fire extinguisher.
- P403/353: Wear protective gloves/In case of fire or spillage, wear protective clothing/Get further advice from a gazetteer.

3. Composition/Information on Ingredients

Chemical Name: Dibutylhexamethylenimine
CAS #: 68479-58-1

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. 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 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.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use water stream. Solid stream of water into hot product may cause violent steam or explosion. Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions.
Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-protective clothing.

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 releasing 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 skin and eyes. 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 you are familiar with this product, appropriate respiratory or personal protective equipment should be used.
Skin Protection: Wear impervious gloves in contact with material.
Eye Protection: Wear chemical safety goggles.
Other Protective Measures: Wear non-porous clothing to prevent skin contact and contamination of personal clothing.

9. Physical and Chemical Properties

Appearance: Liquid of various colors
Odor: Slightly pungent
Odor Threshold: N/a: Not available
pH: Not applicable
Melting Point: N/a: Not available
Boiling Point: N/a: Not available
Flash Point: > 350°F (177°C)
Evaporation Rate: N/a: Not available
Upper/Lower Flammability Limits: N/a: Not available
Vapor Pressure: <0.01 mm Hg @ 30°C
Vapor Density: N/a: Not available

10. Stability and Reactivity

Stability: Stable under recommended conditions.
Hazardous Decomposition Products: Thermal decomposition will result in the evolution of carbon and nitrogen, organic acids, and other toxic organic compounds.

11. Toxicological Information

Eye Contact: May cause moderate irritation.
Skin Contact: May cause moderate irritation.
Inhalation: 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.
Acute Toxicity Values: For Dibutylhexamethylenimine: Oral LD50 730 mg/kg; Inhalation rat LC50, 2.45 mg/L (1 hr); Dermal rabbit L50 >2000 mg/kg

12. Ecological Information

Specific Target Organ Toxicity: None known.

13. Disposal Considerations

Disposal according to local, state and federal regulations.

14. Transport Information

Not regulated for transport by any mode.

15. Regulatory Information

U.S. FEDERAL REGULATIONS:
CERCLA 103 Reportable Quantity: This product is subject to reporting under CERCLA. States may have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.
SARA TITLE III
Section 302, 313 Toxic Chemicals: This product contains no chemicals subject to SARA title III section 313 reporting requirements.
Section 311 Extremely Hazardous Substances (EHS): None.
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCAs.
STATE REGULATIONS:
California Proposition 65: This product does not contain substances known to the State of California to cause cancer and/or reproductive harm.

16. Other Information

Training Advisory: All personnel engaged in handling this product should be familiar with proper handling and use and be trained in proper chemical handling and use for the safe and proper use of engineering controls and protective equipment.
Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: GHS format and classification changes. Changes in product grouping. Additionally, 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 should be responsible for any injury, death or damage. Polytek Development Corp. shall not be liable for any such injury, death or damage.


Data Prepared/Revised: Dec. 6, 2013; Superseded: April