

SECTION 1. IDENTIFICATION

1.1 Product Identifier

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|-------------------------|--------------------------------------|----------------------|------------|
| Name of Product: | Poly 75-65 Liquid Rubber Part B | Product Code: | 75-65B |
| | Poly 75-65 Gray Liquid Rubber Part B | | 75-65Gray |
| | Poly 75-80 Gray Liquid Rubber Part B | | 75-80GRAYB |

1.2 Recommended Use and Any Restrictions on Use

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

1.3 Details of the Supplier of the Safety Data Sheet

| | | | | | |
|------------------|-------------------------------------|-------------------|--------------|-------------|--------------|
| Supplier: | Architectural Polymers | Telephone: | 610-824-3322 | Fax: | 610-824-3777 |
| | 1220 Little Gap Road, Palmerton, PA | | | | |
| | 18071 | | | | |

1.4 Emergency Telephone Number

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

SECTION 2. HAZARD(S) IDENTIFICATION

2.1 GHS Classification

GHS Classification:

- Germ Cell Mutagenicity – Category 2
- Carcinogenicity – Category 1B
- Hazardous to the Aquatic Environment – Acute Hazard Category 2
- Hazardous to the Aquatic Environment – Chronic Hazard Category 2

2.2 Label Elements

Hazard Phrases:

- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H401 Toxic to aquatic.
- H411 Toxic to aquatic life with long-lasting effects.

Signal Words: Danger

Hazard Pictograms:



Precautionary Phrases:

- P203 Obtain, read and follow all safety instructions before use.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, eye protection and face protection.
- P318 IF exposed or concerned, get medical advice.
- P391 Collect spillage.
- P405 Store locked up.
- 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 eye and skin irritation. Avoid contact with eyes, skin and clothing. This is one part of a two-part system. Read and understand the hazard information on Part A before using.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Chemical Name: | CAS # | % |
|--|----------|-------|
| 4,4'- Methylene bis (2-chloroaniline) (MOCA) | 101-14-4 | 10-20 |

Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below concentration/cut-off thresholds.

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

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| Skin Contact: | Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists. |
| 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 develops or persists. |
| Ingestion: | Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell. |
| Inhalation: | Remove person to fresh air. Get medical attention if symptoms develop or persist. |

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

May cause cancer or genetic defects.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Not expected to be required.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

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| 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. |
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5.2 Special Hazards

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| Specific Hazards: | Not classified as flammable. Product will burn under fire conditions. Combustion products include oxides of carbon and nitrogen, organic acids and other toxic organic compounds. |
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5.3 Special Protective Equipment & Precautions for Fire-Fighters

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| Advice for Fire-Fighters: | Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water. |
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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

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| Personal Precautions: | 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. |
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6.2 Methods and Material for Containment and Cleaning Up

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| Clean Up Procedures: | 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. |
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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling Requirements: 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.

7.2 Conditions for Safe Storage, Including any Incompatibilities

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure and Personal Protection

Occupational Exposure Limits: For MOCA: ACGIH TLV 0.01 ppm 8-hr TWA (skin); NIOSH 0.003 mg/m³ [skin].

Biological Exposure Index: ACGIH recommends end of shift urine sampling for MOCA, however, it has set no quantitative limit. The State of California requires that exposure to MOCA be controlled such that no workers' urine samples contain more than 100 µg/l when specific gravity is adjusted to 1.024.

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.

Eye Protection: Wear chemical safety goggles.

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

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance: Liquid, colors vary
Odor: Amine-like, pungent
Odor Threshold: No data available
Evaporation Rate: No data available
Upper/Lower Flammability: No data available
Vapor Pressure: ≤0.1 mm Hg @ 25°C
Vapor Density: No data available
Relative Density: 1.03-1.07 @ 25°C
Solubility: Slightly soluble in water
Boiling Point: No data available
Melting Point: No data available
Flash Point: >176°C (350°F)
pH: Not applicable
Partition Coefficient: n-octanol/water: No data available
Auto-Ignition Temp: No data available
Viscosity: 150-1500 cP

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity: Reacts with Part A to form rubber.

10.2 Chemical Stability

Chemical Stability: Stable under recommended conditions.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions: None known.

10.4 Conditions to Avoid

Conditions to Avoid: Avoid excessive heat and exposure to sunlight. Avoid moisture.

10.5 Incompatible Materials

Materials to Avoid: Avoid contact with strong acids and strong oxidizing agents.

10.6 Hazardous Decomposition Products

Haz. Decomp. Products: Thermal decomposition will generate oxides of carbon and nitrogen, organic acids, and/or other toxic organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Symptoms/Routes of Exposure

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: No data available.

Inhalation: Vapors and mists may cause mild respiratory irritation.

Chronic Health Effects: Mixture has not been tested. Based on laboratory animal studies, prolonged exposure to MOCA may cause cancer and/or damage to the lungs, liver, kidneys, spleen, and mammary glands.

Acute Toxicity Values: Not acutely hazardous.

Respiratory Sensitization: Components are not classified as respiratory sensitizers.

Skin Sensitization: Components are not classified as skin sensitizers.

Germ Cell Mutagenicity: Suspected of causing genetic defects.

Carcinogenicity: May cause cancer.

Reproductive Toxicity: Components are not classified as reproductive toxins.

Specific Target Organ Toxicity: No data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity: Toxic to aquatic life with long lasting effects. Avoid release to the environment.

Persistence & Degradability: Not readily biodegradable.

Bioaccumulative Potential: Not expected to bioaccumulate.

Mobility in Soil: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 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).

SECTION 14. TRANSPORT INFORMATION

U.S.: UN 3082, Environmentally hazardous substance, liquid, n.o.s. (4,4' methylene bis (2-chloroaniline)), 9, III, RQ. Not regulated as a hazardous material by US DOT in containers of 5-gal or less.

International shipments: UN3082, Environmentally hazardous substance, liquid, n.o.s. (4,4' methylene bis (2-chloroaniline)), 9, III. Excepted from IMDG and IATA regulations in containers of 5 liters or less (see IATA SP A197 and IMDG 2.10.2.7).

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

SECTION 15. REGULATORY INFORMATION

15.1 U.S. Federal Regulations

CERCLA 103 Reportable Quantity: In 55-gal drums, these products could be subject to spill reporting under CERCLA owing to MOCA content in excess of the RQ. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

15.2 SARA TITLE III

Section 311/312: Acute Health, Chronic Health

Section 313 Toxic Chemicals: These products contain the following chemical that is subject to SARA Title III Section 313 Reporting requirements.
4,4'-Methylene bis(2-chloroaniline), 101-14-4, 10-20%

Section 302 Extremely Hazardous Substances (TPA) None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

15.3 STATE REGULATIONS

California Proposition 65: **WARNING:** This product can expose you to chemicals including 4,4'-Methylene bis(2-chloroaniline) (MOCA), which is known to the State of California to cause cancer. www.P65Warnings.ca.gov

SECTION 16. OTHER INFORMATION

16.1 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: Added 75-65 Gray: December 1, 2017; Reviewed, no revisions: May 22, 2018; Updated Prop 65 warning, August 9, 2018; Reviewed and updated: February 11, 2022

Legal 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.