

## SECTION 1. IDENTIFICATION

### 1.1 Product Identifier

<b>Name of Product:</b>	Poly 75-65 Liquid Rubber Part B	<b>Product Code:</b>	75-65B
	Poly 75-65 Gray Liquid Rubber Part B		75-65Gray
	Poly 75-79 Liquid Rubber Part B		75-79B
	Poly 75-80 Liquid Rubber Part B		75-80B

### 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

<b>Supplier:</b>	Architectural Polymers 1220 Little Gap Road, Palmerton, PA 18071		
<b>Telephone:</b>	610-824-3322	<b>Fax:</b>	610-824-3777

### 1.4 Emergency Telephone Number

**Emergency Telephone:** 610-824-3322

## SECTION 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

**GHS Classification:** Carcinogen Category 1B  
Aquatic Toxicity – Acute Category 2  
Aquatic Toxicity – Chronic Category 1

### 2.2 Label Elements

**Hazard Statements:** H350: May cause cancer.  
H410: Very toxic to aquatic life with long-lasting effects.

**Signal Words:** Danger!

**Hazard Pictograms:** GHS08: Health Hazard



**Precautionary Statements:** P202: Do not handle until all safety precautions have been read and understood.  
P273: Avoid release to the environment.  
P280: Wear protective gloves, protective clothing and eye protection.  
P308 + P313: 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 #	CHS Classification	%
4,4' – Methylene bis (2-chloroaniline) (MOCA)	101-14-4	Carcinogenicity 1B Aquatic Tox – Acute 1 Aquatic Tox – Chronic 1	10-25

Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

<b>Skin Contact:</b>	Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation persists.
<b>Eye Contact:</b>	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.
<b>Ingestion:</b>	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
<b>Inhalation:</b>	Remove person to fresh air. Get medical attention if symptoms persist.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Long-term exposure may cause harmful effects (see Section 11).

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If product gets in eyes, immediately flush with water.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

<b>Extinguishing Media:</b>	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 Arising from the Substance or Mixture

<b>Specific Hazards:</b>	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 Advice for Fire-Fighters

<b>Advice for Fire-Fighters:</b>	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

<b>Personal Precautions:</b>	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

<b>Clean Up Procedures:</b>	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 ppm8-hr TWA (skin); NIOSH 0.003 mg/m<sup>3</sup> [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:** Varies

**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:** Slight soluble in water

**Boiling Point:** No data available.

**Melting Point:** No data available.

**Flash Point °C:** > 176°C (350°F) (estimated)

**pH:** Not applicable.

**Partition Coefficient:** n-octanol/water: No data available.

**Auto-Ignition Temp:** No data available.

**Viscosity:** 150-5000 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:** Not fully determined; but ingesting small amounts long-term may lead to chronic effects described below.

**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:** MOCA: Oral rat LD50 2000 mg/kg; Dermal rabbit LD50 >2000 mg/kg.

**Skin Corrosion/Irritation:** Components are not classified as skin irritants.

**Eye Damage/Irritation:** Components are not classified as eye irritants.

**Respiratory Irritation:** Components are not classified as respiratory irritants.

**Respiratory Sensitization:** Components are not respiratory sensitizers.

**Skin Sensitization:** Components are not skin sensitizers.

**Germ Cell Mutagenicity:** Components are not classified as mutagens.

**Carcinogenicity:** MOCA caused neoplasms and pre-neoplastic lesions at all dose levels in a 2-year rat feeding study. The most common target organ was the lung, but liver, mammary gland and Zymbal gland lesions were also observed. MOCA is classified as a carcinogen by IARC (Group 1) and NTP (Reasonably Anticipated to be a carcinogen) and by the EU CLP as Category 1B.

**Reproductive Toxicity:** Components are not classified as reproductive toxins.

**Specific Target Organ Toxicity:** Single Exposure: No data available. Repeat Exposure: In rat feeding studies, MOCA caused effects on the spleen, liver and kidneys. The NOEL was 2 mg/kg.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Ecotoxicity Values:** Based on the concentration of MOCA, these products are very toxic to aquatic organisms: Aquatic Toxicity - Acute Category 2 and Aquatic Toxicity - Chronic Category 1.  
MOCA: *Oryzias latipes* LC50 0.606 mg/L/96 hr; *Daphnia* EC50 0.916 mg/L/48 hr; 21-day reproduction study NOEC 0.0095 mg/L.

### 12.2 Persistence and Degradability

**Persistence and Degradability:** Not readily biodegradable.

### 12.3 Bioaccumulative Potential

**Bioaccumulative Potential:** Not expected to bioaccumulate.

### 12.4 Mobility in Soil

**Mobility:** 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).

## 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 <25%

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All components are listed on TSCA.

### 15.3 STATE REGULATIONS

**California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause cancer. (MOCA)

## SECTION 16. OTHER INFORMATION

### 16.1 Other Information

- Other Information:** This safety data sheet is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200(g)).
- Legal Disclaimer:** The information provided on this Safety Data Sheet is correct, to the best of our knowledge, at the date of its publication. It provides no warranties, whether expressed or implied, and neither Architectural Polymers nor any of its agents accept responsibility for the accuracy or completeness of the data contained herein, and shall not be held liable for any loss, injury or damage whatsoever resulting from using, handling or contact.