

Product Code: FG600601100

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Product Name: 601 CLEAR 10.3OZ SILICONE

601 SILCON 10.3OZ PSI CLEAR

POLYMERIC SYSTEMS, INC., 47 PARK AVENUE, BOX 522, ELVERSON PA 19520

24-hour Emergency Phone: (800) 424-9300

**1. COMPANY IDENTIFICATION**

Polymeric Systems, Inc.  
47 Park Avenue  
PO Box 522  
Elverson, PA 19520

Phone: (610) 286-2500  
Fax: (610) 286-2510  
www.polymericsystems.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

| Component/Exposure Limits                                      | CAS#       | % by Wt. |
|--|------------|----------|
| <b>Ethyl tri-acetoxysilane</b><br>ORAL: LD50 2060 mg/kg (rat)  | 17689-77-9 | 1% to 5% |
| <b>Methyl tri-acetoxysilane</b><br>ORAL: LD50 2060 mg/kg (rat) | 4253-34-3  | 1% to 5% |
| <b>Acetic Acid</b>   | 64-19-7    | <0.5     |

Warning - Although not initially present in the material, acetic acid is given off during the first 24 hours of cure. Observe the exposure guidelines for acetic acid while using this material. Guidelines: OSHA PEL: TWA 10ppm and ACGIH TLV: TWA 10ppm, STEL 15ppm

**3. HAZARDS IDENTIFICATION****Potential Health Effects****EYE:**

May cause moderate eye irritation.

**SKIN:**

A single short exposure (less than 24 hours) may irritate.  
Repeated prolonged contact (24-48 hours) may irritate moderately.

**INGESTION:**

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

**INHALATION:**

Irritates respiratory passages very slightly.

**CHRONIC (CANCER) INFORMATION:**

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N/A

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

N/A

**REPRODUCTION INFORMATION:**

N/A

**4. FIRST AID MEASURES**

**EYES:**

Flush eyes thoroughly with water for several minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**SKIN:**

Wash skin with plenty of soap and water.

**INGESTION:**

No emergency medical treatment necessary.

**INHALATION:**

Remove to fresh air. If respiratory difficulties continue, seek immediate medical care.

**NOTE TO PHYSICIANS:**

Treat according to person's condition and specifics of exposure.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

FLASH POINT: > 140F                      Method: N/A

**FLAMMABLE LIMITS:**

Lower flammable limit: N/A  
Upper flammable limit: N/A

**AUTOIGNITION TEMPERATURE:**

N/A

**HAZARDOUS COMBUSTION PRODUCTS:**

Formaldehyde can be formed during combustion

**EXTINGUISHING MEDIA:**

FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG, OTHER

**FIREFIGHTING INSTRUCTIONS:**

Fire Fighters and others who may be exposed to the products

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of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILLS:**

Dispose of in normal manner in accordance to all applicable state, federal, and local laws. Not a hazardous waste.

**7. HANDLING AND STORAGE**

**HANDLING:**

No special precautions needed.  
Personal hygiene- Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities.  
Professionally launder contaminated clothing before use.  
Empty container precautions- Do not reuse empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

**STORAGE:**

Temperature- Less than 90 F.  
Conditions- Store in cool, dry, well-ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

N/A

**RESPIRATORY PROTECTION:**

None required in a well-ventilated area.

**SKIN PROTECTION:**

Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for the specific operation.

**EYE PROTECTION:**

Safety glasses or goggles.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT: N/A**

**MELTING POINT: N/A**

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VAPOR PRESSURE: N/A  
VAPOR DENSITY: N/A  
SOLUBILITY IN WATER: Insoluble in water  
SPECIFIC GRAVITY: 1.00524  
pH: N/A  
VOLATILE ORGANIC COMPOUNDS: 40 gms/L  
ODOR: Vinegar  
APPEARANCE: THICK PASTE

**10. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

This product is stable.

**INCOMPATIBILITY:**

None.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Formaldehyde can be created on exposure to high temperatures

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

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EYE: N/A

SKIN: N/A

INGESTION: N/A

INHALATION: N/A

SUBCHRONIC: N/A

CHRONIC/CARCINOGENICITY: N/A

TERATOLOGY: N/A

REPRODUCTION: N/A

MUTAGENICITY: N/A

**12. ECOLOGICAL INFORMATION**

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ECOTOXICOLOGICAL INFORMATION: N/A

CHEMICAL FATE INFORMATION: N/A

**13. DISPOSAL CONSIDERATIONS**

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Incinerate in furnace or bury in landfill in accordance with all applicable regulations.

Not classified as a hazardous waste.

**14. TRANSPORT INFORMATION**

Not DOT regulated.

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS: TSCA: All ingredients are TSCA listed.**

**OSHA: Not OSHA regulated.**

**CERCLA: SARA HAZARD CATEGORY: Not regulated.**

**SECTION 313: N/A**

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS: N/A**

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): N/A**

**EINECS: EINECS listed.**

**STATE REGULATIONS:**

CALIFORNIA PROPOSITION 65

This product contains the following chemicals known to the state of California to cause cancer or reproductive toxicity

None

The following ingredients are present in this material and are subject to reporting in accordance to the Pennsylvania, New Jersey, and/or Massachusetts Right-to-Know (RTK) laws:

Polydimethylsiloxanediol (CAS:70131-67-8)

Polydimethylsiloxane (CAS:63148-62-9)

Amorphous Silica (CAS:68611-44-9)

(Not meant to be an all inclusive list - contact PSI for further information)

**16. OTHER INFORMATION**

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Hazard Ratings

NFPA Ratings: Health: 1 Fire: 0 Physical Data: 0 PPE: B

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Created by: I. David Crossan

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects on an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

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