**MATERIAL SAFETY DATA SHEET**

**Product:** Tygon® LP-1100

**Manufacturers Name:** Saint-Gobain Performance Plastics

**Address:**
2664 Gilchrist Rd.
Akron, Ohio 44305

**Emergency Telephone Number:**
Call ChemTel:
1-800-255-3924 USA
1-813-248-0585 International

**Date Prepared:** 8/19/2010

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### SECTION 1 - IDENTITY

1.1. Common Name (used on label)….. Tygon® LP-1100
1.2. Chemical Name.........................: N/A
1.3. Chemical Family.......................: Polyvinyl Chloride/Fluoropolymer/Compounded Organic Polymer
1.4. Formula...............................: The specific chemical identity of the ingredients is considered a trade secret.

### SECTION 2 - HAZARDOUS INGREDIENTS

2.1. Principal Hazardous Component(s) (Chemical & Common Names) Threshold Limit Value
N/A

2.2. Principal Non-Hazardous Component(s) (Chemical & Common Names) Threshold Limit Value
N/A

All additives are physically bound in the manufacturing process and are not expected to create any hazard when the product is used according to normal manufacturing and industrial hygiene practice and by following the guidelines on this sheet.

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### SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

**Fire & Explosion Data**

3.1. Boiling Point...........................: N/A
3.2. Specific Gravity (H2O=1).............: 1.26
3.3. Vapor Pressure.........................: 7x10^-8 mm Hg, 20°C
3.4. Percent Volatile by Volume..........: N/A
3.5. Vapor Density (Air=1)...............: N/A
3.6. Evaporation Rate......................: N/A
3.7. Solubility in Water...................: Negligible
3.8. Melting Point..........................: N/A
3.9. Appearance and Odor..................: Transparent yellow; slight odor
3.10. Flash Point............................: >500°F (260°C)
3.11. Flammable Limits in Air by Volume..............................................: Lower: N/A Upper: N/A
3.12. Auto-Ignition Temperature..........: N/A
3.13. Extinguisher Media...................: Water spray or Class A extinguishing media.
3.15. Unusual Fire & Explosion Hazards.: None Known
SECTION 4 - PHYSICAL HAZARDS

4.1. Stability
   Conditions to Avoid: Stable: X Unstable:
   Keep away from strong oxidizers.

4.2. Incompatibility
   May react with strong oxidizing agents.

4.3. Hazardous Decomposition
   Smoke, CO, and possibly hydrocarbons may
   evolve when temperature exceeds 260°C or when
   ignited.

4.4. Hazardous Polymerization
   May Occur: Will Not Occur: X
   None Known

SECTION 5 - HEALTH HAZARDS

5.1. Threshold Limit Value
   N/E

5.2. Sign & Symptoms of Exposure
   Toxicological testing has not been conducted
   with this material.
   Route of Entry:
   Eye Contact: No toxic effects are expected.
   Skin Contact: No toxic effects are expected.
   Inhalation: Not expected in industrial use.
   Ingestion: Not expected in industrial use.

5.2.2. Chronic Overexposure
   None Known

5.3. Medical Conditions Generally
     Aggravated by Exposure
     There are no data available which address
     medical conditions which are generally
     recognized as being aggravated by exposure to
     this product.

5.4. Chemical Listed as Carcinogen
     or Potential Carcinogen
     National Toxicology Program:
     Yes: No: X
     I.A.R.C. Monographs:
     Yes: No: X
     OSHA:
     Yes: No: X

5.5. OSHA Permissible Exposure
     Limit
     N/A

5.6. ACGIH Threshold Limit Value
     N/E

5.7. Other Exposure Limit Used
     Unknown

5.8. Emergency & First-Aid
     Procedures
     Inhalation: N/A
     Eyes: N/A
     Skin: N/A
     Ingestion: N/A

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N/E = Not Established, N/A = Not Applicable, N/R = Not Required, N/D = Not Determined
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SECTION 6 - SPECIAL PROTECTION INFORMATION

6.2. Ventilation: Local Exhaust: N/R
          Mechanical-General: N/R
          Mechanical-Special: N/R
          Mechanical-Other: N/R
6.3. Protective Gloves: N/R
6.4. Eye Protection: N/R
6.5. Other Protective Clothing or Equipment: Not Necessary

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

7.1. Precautions to be taken in Handling & Storage: Handle in accordance with good industrial hygiene and safety practices.
7.2. Other Precautions: N/A
7.3. Steps to be Taken in Case Material is Released or Spilled: N/A

SECTION 8 - OTHER INFORMATION

8.1. Transportation Information: DOT Shipping Name: N/A
          DOT Hazard Class: N/A
          DOT Label(s): N/A
          UN/NA Number: N/A
          Placards: None
          IATA: N/A
          IMO IMDG-Code: N/A
          European Class:
          RID (OCTI): N/A
          ADR (ECE): N/A
          RAR (IATA): N/A

8.2. The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Saint-Gobain Performance Plastics Corporation makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

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