

**MATERIAL SAFETY DATA SHEET**

Product: Tygothane® C-544-A IB

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: 9/26/06

**SECTION 1 - IDENTITY**

- 1.1 Common Name (used on label): Tygothane® C-544-A Innerbraid
- 1.2 Chemical Name.....: N/A
- 1.3 Chemical Family.....: Thermoplastic polyether urethane
- 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)  
Limit Value

Threshold

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

**SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS  
(Fire & Explosion Data)**

- 3.1 Boiling Point.....: N/A
- 3.2 Specific Gravity (H2O=1).....: 1.12
- 3.3 Vapor Pressure.....: N/A
- 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.....: Insoluble
- 3.8 Melting Point.....: 390-400°F (199-204°C)
- 3.9 Appearance and Odor.....: Clear color/White braid. No odor.
- 3.10 Flash Point.....: N/A

Form #N0123.1

**MATERIAL SAFETY DATA SHEET**  
**544-A IB**

**Product: Tygothane® 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 , ABC, Dry chemical
- 3.14 Special Fire Fighting Procedures: Fire fighters should wear full protective clothing including a positive pressure self-contained breathing apparatus.
- 3.15 Unusual Fire & Explosion Hazards.....: None Known

**SECTION 4 - PHYSICAL HAZARDS**

- 4.1 Stability.....: Stable: X Unstable:  
Conditions to Avoid.....: Temperatures above 300°F and open flames.
- 4.2 Incompatibility.....: None known
- 4.3 Hazardous Decomposition Products.....: CO, CO<sub>2</sub>, and small amounts of HCN, oxides of nitrogen, and aromatic and aliphatic hydrocarbons.  
NOTE: Hydrogen Cyanide is a typical combustion product of nylon, wool, and other materials containing nitrogen. Combustion gases will also include water vapor and smoke.
- 4.4 Hazardous Polymerization....: May Occur: Will Not Occur: X  
Conditions to Avoid.....: None Known

**SECTION 5 - HEALTH HAZARDS**

- 5.1 Threshold Limit Value.....: N/E
- 5.2 Sign & Symptoms of Exposure:
  - 1. Acute Overexposure.....: Toxicological testing has not been conducted with this material.  
Route of Entry:  
Eye Contact: See inhalation  
Skin Contact:. See inhalation  
Inhalation:. At temperatures above 300°F, fumes may be emitted that are irritating to respiratory tract, eyes, or skin of sensitive people.  
Ingestion:. N/A
  - 2. Chronic Overexposure..: None Known

Form #N0123.1

**MATERIAL SAFETY DATA SHEET**  
**544-A IB**

**Product: Tygothane®C-**

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/A

5.7 Other Exposure Limit Used...: Unknown

5.8 Emergency & First-Aid

Procedures.....: Inhalation: If irritation occurs, remove affected individual from area, refer to physician.

Eyes: N/A

Skin: N/A

Ingestion: N/A

**SECTION 6 - SPECIAL PROTECTION INFORMATION**

6.1 Respiratory Protection.....: N/R

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

Form #N0123.1

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

7.1 Precautions to be taken in Handling & Storage.....:	Store cool and dry.
7.2 Other Precautions.....:	N/A
7.3 Steps to be Taken in Case Material is Released or Spilled.....:	N/A
7.4 Waste Disposal Methods.....:	According to Local, State and Federal Regulations. For waste purposes this product is not defined or designated as hazardous by current provisions of the Federal Resource Conservation and Recovery Act (RCRA). 40CFR261.

**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.

Form #N0123.1