MATERIAL SAFETY DATA SHEET

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

Address:

2664 Gilchrist Rd. Akron, Ohio 44305 **Product: Tygon® SE-200**

Emergency Telephone Number: Call ChemTel:

1-800-255-3924 USA

1-813-248-0585 International

Date Prepared: 9/28/06

SECTION 1 - IDENTITY

1.1 Common Name (used on label): Tygon® SE-200 FEP Liner/PVC Jacket

1.2 Chemical Name.....: N/A

1.3 Chemical Family....: Fluorinated Ethylene Propylene Copolymer liner

w/Polyvinyl Chloride compounded organic

polymer

considered a trade secret.

In reference to 40CFR, Section 313, part 372, community right to know, we classify Tygon® Tubing as an "Article" and therefore not subject to notification requirements.

SECTION 2 - HAZARDOUS INGREDIENTS

2.1 Principal Hazardous Component(s) (Chemical & Common Names) Threshold Limit Value

a. Di-2-Ethylhexyl Phthalate (DOP or DEHP)

 $5mg/m^3$

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)

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2)

MATERIAL SAFETY DATA SHEET Product: Tygon® SE-200 3.11 Flammable Limits in Air by Lower: N/A Volume....: Upper: N/A 3.12 Auto-Ignition Temperature..: N/A 3.13 Extinguisher Media....: Water 3.14 Special Fire Fighting Procedures: Fire fighters should wear full protective clothing including a self-contained breathing apparatus & protective clothing to protect from acidic hydrogen fluoride fumes.

3.15 Unusual Fire & Explosion Hazards....:

Toxic fluorine compounds evolved in fire.

SECTION 4 - PHYSICAL HAZARDS

Stable: X Unstable: 4.1 Stability.....: Conditions to Avoid....: Temperatures above 300°F will slowly

decompose

the tubing material resulting in the

liberation of HCl

gas. FEP will burn in an atmosphere of 95%

oxygen

when an ignition source is present.

None known

4.2 Incompatibility.....

4.3 Hazardous Decomposition

Products....:

When forced to burn, PVC compounds will

mainly

contribute CO, CO₂, and HCl as gases. FEP

can

evolve gaseous materials such as hydrogen

fluoride

and perfluoroolefins.

4.4 Hazardous Polymerization....: Conditions to Avoid....: 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:

1. Acute Overexposure....: Toxicological testing has not been conducted

with this material.

Route of Entry:

Eve Contact: See inhalation Skin Contact:. See inhalation

At temperatures above 300°F, Inhalation:.

> fumes may be emitted that are irritating to respiratory tract, eyes,

or skin of sensitive people.

Ingestion:. N/A

2. Chronic Overexposure..: None Known

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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:

I.A.R.C. Monographs:

Yes: No:

OSHA:

Yes: Suspected No:

CALIF. PROP. 65: Yes: DEHP

5.5 OSHA Permissible Exposure

Limit...... 5 mg/m³ TWA

5.6 ACGIH Threshold Limit Value: 5 mg/m³ TWA, 10 mg/m³ STEL

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

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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.

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