



## MATERIAL SAFETY DATA SHEET

### Section 1 Chemical Product and Company Information

**Manufacturer:** Baycomp  
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Burlington, Ontario L7L 5V2  
Canada

**Telephone Number:** (905) 332-0991  
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**Revision Date:** November 24, 2010

**Product Identification:** SP 2.3 Continuous Fiber Reinforced Thermoplastic (CFRT)  
Contour Plate

### Section 2 Composition and Content

Glass and carbon fibers impregnated with polypropylene (PP) resin. Fibers configure in biaxial directions, encapsulated homogeneously with PP resin and formed into continuous fiber reinforced thermoplastic panels.

Component	Cas#	% by Weight	TLV	PEL
Glass Fiber	85997-17-3	30	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Carbon Fiber	7440-44-0	20	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Polypropylene	9003-07-0	50	N/A	N/A

### Section 3 Hazards Identification

As is, this product should not be considered hazardous. Glass and carbon fibers are bonded to the polymer and do not generate quantities of dust or particulate.

If a plate is reformed (not recommended), cutting, grinding or sanding may be required. Avoid breathing fibers or dust generated by cutting, grinding or sanding. Do not allow eye or skin contact.

**If heating, cutting, grinding or sanding of the material is to take place, then the following precautions should be noted.**

**Section 4**  
**First Aid Measures**

<b>Inhalation:</b>	Remove to a well ventilated area. Get medical attention if irritation develops or persists.
<b>Eye Irritation:</b>	Flush eyes out thoroughly with water. Get medical attention.
<b>Skin Irritation :</b>	Wash affected area thoroughly with water. Get medical attention if irritation develops or persists. If hot or molten material burns skin, immerse the burned area in cold running water and obtain medical attention immediately.

**Section 5**  
**Fire Fighting Measures**

<b>Auto Ignition Temperature:</b>	380 °C (716 °F) Attributed to the polymer component.
<b>Extinguishing Media:</b>	Water fog, carbon dioxide, dry chemical foam.
<b>Special Fire Fighting Procedure:</b>	Standard procedures for class A fires, use self containing breathing apparatus.

**Section 6**  
**Accidental Release Measures**

If the material comes in contact with the floor or becomes dirty from dust, it can be wiped and used as is as long as it has not become contaminated.

**Section 7**  
**Handling and Storing**

Adequate ventilation and gloves should be provided during handling. Store at room temperature and at a moderate humidity level.

<b>Section 8</b> <b>Exposure Controls/Personal Protection</b>
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<b>Appropriate Hygienic Practices:</b>	Do not allow eye or skin contact. Avoid breathing fibers that may be exposed. Wash thoroughly after handling and before eating, drinking or smoking.
<b>Personal Protective Equipment:</b>	Use gloves to reduce skin irritation or burns during processing. Safety glasses. Appropriate protective clothing.

<b>Section 9</b> <b>Physical and Chemical Properties</b>
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Physical State:	Solid
Appearance:	Decorative
Odor:	None
Specific Gravity:	1.24 g/cm <sup>3</sup>
Melting Point:	168°C (334°F)
Processing Temperature:	210°C (410°F)
Solubility in Water:	Negligible
% Volatile:	Less than 0.5%
Boiling Point:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Evaporation Rate:	N/A
PH:	N/A

<b>Section 10</b> <b>Stability and Reactivity</b>
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<b>Chemical Stability:</b>	Stable
<b>Corrosivity:</b>	Not corrosive
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Avoid prolonged exposure to temperatures above the recommended processing temperature. Above 250 to 280°C, polypropylene may degrade and may cause irritation to the eyes and respiratory tract. Avoid contact with strong oxidizing agents and hot or concentrated acids.

**Section 11  
Toxicological Information**

No medical-scientific data has been established to classify glass impregnated with polypropylene as carcinogenic to humans.

**Section 12  
Ecological Information**

No ecological information exists on this product. Not expected to present any significant ecological problem.

**Section 13  
Disposal Information**

The waste material of this product is not expected to be hazardous. Sanitary land fill is recommended. Disposal must be done in accordance with relevant regulations.

**Section 14  
Transportation Information**

This product is not regulated as dangerous or hazardous goods therefore, no hazard identification is required.

**Section 15  
Regulatory Information**

BayComp complies with the regulation of the Workplace Hazardous Materials Information System (WHMIS).

**Section 16  
Other Information**

The information contained herein is furnished without warranty of any kind. Product users should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees.