



Georgian Bay Reinforcement Fabrics

MATERIAL SAFETY DATA SHEET

Section 1: Product and Preparation Information

Date: May 01, 2002
Product Name: T0621 & T0954
Synonyms: None
Product Use: Fiberglass Textile Reinforcement
WHMIS Classification: Non-Regulated Manufactured Article

Manufacturer: Georgian Bay Reinforcement Fabrics
25 Saunders Road
Barrie, Ontario
L4N 9A7
Telephone: 705-739-7609
Fax: 705-739-9823

Section 2: Composition and Hazardous Ingredient Information

<u>Ingredient</u>	<u>CAS#</u>	<u>ACGIH TLV</u> (8-hr TWA)	<u>OSHA PEL</u> (8-hr TWA)
Fiber Glass Continuous Filament:			
- Nonrespirable fibers and particulate	65997-17-3	5 mg/m ³ ☑ (inhalable fraction)	15 mg/m ³ ☑ (total dust)
- Respirable particulate		3 mg/m ³ ☑ (PNOC*)	5 mg/m ³ ☑ (respirable dust)
- Respirable particulate with fiber like- dimensions (glass shards)		1 fiber/cc aspect ratio >5:1	None Established

*PNOC = Particles not otherwise classified.

As manufactured continuous filament glass fibers are not respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards.

Section 3: Physical Data and Chemical Properties

Vapour Pressure (mm Hg @ 20°C):	Not Applicable	pH:	Not Applicable
Vapour Density (Air = 1):	Not Applicable	Boiling Point:	Not Applicable
Evaporation Rate:	Not Applicable	Viscosity:	Not Applicable
Specific Gravity (Water=1):	2.60	Appearance:	Woven Fiberglass Fabric
Solubility in Water:	Insoluble	Physical State:	Solid
Freezing Point:	Not Applicable	Odour (Threshold):	None (Not Applicable)

Section 4: Fire or Explosion Hazard

Flash Point:	None
Flammability Limits (%):	None
Auto Ignition Temperature:	Not Applicable
Extinguishing Media:	Water, Foam, Carbon Dioxide or Dry Chemical.
Unusual Fire and Explosion Hazards:	None Known
Fire Fighting Instructions:	Fire fighters should wear appropriate protective equipment including Self Contained Breathing Apparatus (SCBA).
Hazardous Combustion Products:	Primary combustion products are carbon monoxide, carbon dioxide and water. Other undetermined compounds could be released in small quantities.

Section 5: Stability and Reactivity Data

Stability:	Stable
Incompatible Materials and Conditions to Avoid:	None
Hazardous Decomposition Products:	Sizings or binders may decompose in a fire. See Section 4 of MSDS for Hazardous Combustion Products statement.
Hazardous Polymerization:	Will not occur.

Section 6: Toxicological Properties (Health Hazards)**Acute Effects:**

Inhalation:	Fiber glass continuous filament is a mechanical irritant. Breathing dusts and fibers may cause short term irritation of the mouth, nose and throat.
Skin:	Skin contact with dust and fibers may cause itching and short term irritation.
Eyes:	Eye contact with dust and fibers may cause short term mechanical irritation or damage.
Ingestion:	Ingestion may cause short term mechanical irritation of the stomach and intestines. Observe individual, if symptoms develop, consult a physician.

Chronic Effects: The International Agency for Research on Cancer (IARC) has classified Continuous Filament Fiber Glass under Group 3: Not Classifiable with respect to Human Carcinogenicity.

Section 7: Preventive Measures (Personal Protection)

Respiratory Protection:	Where dust levels exceed the TLV, use an NIOSH/MSHA approved disposable dust respirator. Use respiratory protection in accordance with your company's respiratory protection program.
Ventilation:	General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below occupational exposure limits.
Skin Protection:	Loose fitting long sleeved shirt that covers to the base of the neck, long pants and gloves.
Eye Protection:	Safety glasses.

Section 8: First Aid Measures

- Inhalation:** Move person to fresh air. Seek medical attention if irritation persists.
- Eye Contact:** Flush eye with running water for at least 15 minutes. Seek medical attention if irritation persists.
- Skin Contact:** Wash with mild soap and running water. Use a washcloth to help remove fibers. Do not rub or scratch affected areas. Seek medical attention if irritation persists.
- Ingestion:** Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur.

Section 9: Release and Disposal Procedures

- Waste Disposal:** Dispose of Fiberglass as dry garbage as per local, provincial/state and federal regulations.
- Release (Spill/Leak):** Use a vacuum cleaner to clean up glass fibers. Do not use an air hose.
- Work and Hygienic Practices:** Handle using good industrial hygiene and safety practices. Avoid unnecessary exposure by using adequate local exhaust ventilation. Remove material from the skin and eyes after contact. Remove material from clothing using vacuum equipment (never use compressed air). Always wash work clothes separately from other clothing. Wipe out the washer or sink to prevent loose glass fibers from getting on other clothing. Keep the work area clean of dusts and fibers released during processing or fabrication. Use vacuum equipment to clean up product. Avoid dry seeping or using compressed air as these techniques re-suspend dusts and fibers into the air. Have access to safety showers and eye wash stations.

Section 10: Handling and Storage

- General:** No special storage or handling procedures is required for this material. It is recommended to store in a cool, dry place.

Section 11: Transport Information

- Proper Shipping Name:** Material is non-regulated
- TDG Hazard Classification:** Primary – None Secondary - None


SAINT-GOBAIN
TECHNICAL FABRICS

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: 0302/000; 0312/000; 0302/370; 0312/370; 0315/000; 0315/370; 7521/000;
7554/000

Synonyms:

Product Use: Fiberglass Textiles

WHMIS Classification: Non-regulated - manufactured article

Supplier: SAINT-GOBAIN TECHNICAL FABRICS
201 Hugel Avenue
Midland, Ontario
CANADA
L4R 4G1

Date: January 9th, 2002

Prepared by: Saint Gobain Technical Fabrics
Quality Engineering Department
Tel: 705 - 526 - 7867

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS#	% mg/kg	LC ₅₀ mg/kg	LD ₅₀ mg/m ³	TLV
Fibrous glass dust	65-997-17-3	-	-	-	10*

*ACGIH TLV (TWA) 1987

SECTION III - PHYSICAL DATA

Boiling point (°C): N/A **Evaporation Rate:** N/A

Vapour Pressure (mm Hg): N/A **Vapour Density (Air = 1):** N/A

pH: N/A **Freezing Point:** N/A

Physical State: solid **Specific Gravity:** 2.5
(H₂O = 1)

Coefficient of water/oil emulsion: N/A

Appearance: Woven Fiberglass fabric

Odour: No significant odour **Odour Threshold:** N/A

SECTION IV - FIRE AND EXPLOSION DATA

Flash point (Method): N/A **LEL:**N/A **UEL:**N/A

Extinguishing media: Water, foam, carbon dioxide, dry chemical.

Special Fire Fighting Instructions: Thermal decomposition of fabric coating may cause irritating smoke and fumes. Firefighters should wear appropriate protective equipment including approved respirators.

Unusual Fire and Explosion Hazards: None known

Sensitivity to mechanical impact: None

Sensitivity to Static Discharge: Material can build a static charge

Auto-ignition Temperature: Not known

Hazardous combustion products: Thermal decomposition of fabric coating may cause irritating smoke and fumes.

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None known

Incompatibility: Materials to Avoid: None known

Hazardous decomposition products: Sizing or binders may decompose in a fire. Primary decomposition products include carbon monoxide, carbon dioxide, other hydrocarbons and water. Other decomposition products could include: oxides of nitrogen, copper and sulphur, HCL, and ammonia.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

SECTION VI - HEALTH HAZARD INFORMATION

Routes of Exposure and Acute Affects:

Inhalation: Glass fibers may cause mechanical irritation to the mouth, nose and throat.

Skin: Glass fibers may cause mild irritation and itching.

Eyes: Glass fibers can cause eye irritation or damage.

Ingestion: Temporary mechanical irritation of the digestive tract. Observe individual. If symptoms develop, consult a physician.

Chronic Effects: The International Agency for Research on Cancer (IARC) has classified Continuous Filament Fiberglass under Group 3 - not classifiable as to human carcinogenicity. Human studies are continuing.

**** First Aid Data ****

Inhalation: Remove to fresh air.

Skin: Wash with mild soap and running water. Use a washcloth to help remove fibers, avoid scratching. If irritation persists, consult a physician.

Eyes: Flush with warm running water for 15 min. Do not rub. If irritation persists, consult a physician.

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill or Leak: Glass fibers should be cleaned up by a vacuum cleaner, not by blowing with an air hose.

Waste Disposal: Dispose of as dry garbage as per local, provincial and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Where dust levels exceed the TLV, use an NIOSH approved respirator against nuisance dust.

Ventilation: Mechanical ventilation recommended for process machinery where dust generation is apparent.

Protective Gloves: Cotton

Eye Protection: Safety glasses

Work/Hygienic Practices:

Handle in accordance with good industrial hygiene and safety practices:

- Avoid unnecessary exposures to dusts and fibers
- Remove fibers from the skin after exposure
- Be careful not to rub or scratch irritated areas. Rubbing or scratching may force the fibers into the skin. The fibers should be washed off. Use of barrier creams, in some instances, can be helpful.
- Use vacuum equipment to remove fibers and dusts from clothing. Compressed air should never be used. Always wash work clothes separately and wipe out the washer/sink in order to prevent loose glass fibers from getting on other clothes.
- Keep the work area clean of dusts and fibers generated during fabrication. Use vacuum equipment to clean up dusts and fibers. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air.
- Have access to safety showers and eye wash fountains.

Other: Barrier creams may be necessary

SECTION IX - STORAGE AND HANDLING

Storage: Store in a cool, dry place.

SECTION X - SPECIAL SHIPPING REQUIREMENTS

Proper Shipping Name: Material is non-regulated

P.I.N. # - NR

Notes: N/A - Not applicable

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