MATERIAL SAFETY DATA SHEET

• Section 1: Chemical Product and Company Identification

PRODUCT TRADE NAME: SUPERGREEN III™ FOAM is a proprietary Trade Name product manufactured for Building Envelope Solutions, Inc., FOAM-TECH Division.

MANUFACTURERS NAME: Resin Technology Company
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ADDRESS: 2270 Castle Harbour Place
Ontario, CA 91761

FOR ADDITIONAL INFORMATION: James Doose - Resin Technology, Co.
(909) 947-7224 Monday-Friday 8:00 A.M – 5:00 P.M
(800) 424-9300 CHEMTREC- Non-Business Hours Emergency Info Only

DATE PREPARED: 03/15/2006

PRODUCT DESCRIPTION: Finished cellular plastic foam product

∗NOTE: This product had not been tested as a whole. Information provided in this material safety data sheet is based on limited knowledge Resin Technology has on the component parts of the mixture. See section 16 for further explanation.

• Section 2: Composition/Information on Ingredients

Hazardous Ingredient or Chemical Family	%W/W	CAS
Polymerized Polyurethane Cellular Plastic	60-98	N/A
Nitrogen, Pentafluoropropane	2-40	1717-00-6

OSHA PEL		ACGIH-TLV		NIOSH-PEL		NIOSH-IDLH
TWA	STEL	TWA	STEL	TWA	STEL	IDLH
None established	None established	1000 ppm	None Established	None Established	None Established	None Established

See section 16 for explanation of abbreviations

• Section 3: Hazards Identification

EMERGENCY OVERVIEW
POTENTIAL HEALTH EFFECTS
POTENTIAL ROUTES OF ENTRY

Eye: Mechanical irritation or corneal injury and reddening if dust or chips enter the eye.
Skin: Minor mechanical irritation
Inhalation: Repeated excessive exposures to dust and small chips may cause upper respiratory irritation.

Carcinogenicity: IARC, NTP and OSHA do not list any components of Supergreen™ as a carcinogen.
Other: Small amounts of insulating blowing agent are released when cut. This product is not expected to present a health hazard under normal intended use.

• Section 4: First Aid Measures

(See section 11 Toxicology for information on toxicity and Notes to Physicians.)

Eye Contact - Irrigate with water.
Skin Contact - Wash with soap and water.
Inhalation - Remove to fresh air.
Ingestion - No adverse effects anticipated by this route. May cause choking if swallowed.
After first aid, get appropriate in-transit, paramedic, or community medical support.

• Section 5: Fire Fighting Measures

Flammable Properties:
Flash point: Not established
Auto-ignition Temp: 850°F-1000°F
Lower Explosive Limit (LEL): N/A
Upper Explosive Limit (UEL): N/A
Extinguishing Media: Use water, foam, CO2, foam or dry chemical
Unusual Fire and Explosion Hazards: Polyurethane foams, in common with other organic materials such as paper, wood, and cotton, can present unreasonable fire risks when exposed to ignition sources. Once ignited, fires can burn rapidly and produce intense heat and dense smoke. Install foam only after all welding, cutting, or other hot work has been completed. Do not weld or perform other hot work on foam filled construction.

Hazardous Decomposition Products: This product, like wood and other organic materials, can release toxic smoke if ignited.
Fire Fighting Instructions: Water spray, CO2, Foam or dry chemical.
Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive pressure mode.

• Section 6: Accidental Release Measures

General Spill Response Considerations
This is a solid product.

• Section 7: Handling and Storage

Practice reasonable care and caution in handling this material.
Product will degrade when exposed to sunlight.

• Section 8: Exposure Controls/Personal Protection

Ventilation
Not necessary unless cutting, chipping, or grinding product. If so, use sufficient ventilation to keep dust exposure to a minimum (below 5mg/m3 respirable nuisance dust)
Respiratory Protection
Use a NIOSH/MSHA approved, air supplied respirator if there is potential for uncontrolled release, where exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Eye Face Protection
Use goggles as necessary.
Skin Protection
No protective clothing necessary.
Comments
Never smoke in work areas.

• Section 9: Physical and Chemical Properties

Color: Natural
Odor: None
Physical State: Solid
Points: Not established
Solubility in Water: N/A
Specific Gravity: Nil

Vapor Pressure : N/A
Boiling Point: N/A
Freezing/ Melting
Density: 1.7-2.1 lb / cu. ft
Specific Gravity: Not established
Evaporation Rate: N/A

- **Section 10: Stability and Reactivity**

Chemical Stability: Stable
Polymerization: Hazardous polymerization will not occur.
Conditions to Avoid: Flames, hot working conditions, welding.
Incompatibility (with other materials): None Known.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen halides, phosphorous oxides, possible traces of hydrogen cyanide and nitrogen oxides under fire conditions.

- **Section 11: Toxicology Information**

Eye Effects: Solid or dust may cause irritation or corneal injury due to mechanical action.
Skin Effects: Contact essentially non-irritating to skin. Mechanical irritation only as dust or chips.
Acute Inhalation Effects: Dust or small chips may cause irritation to upper respiratory tract. Small amounts of blowing agent are released from the material when cut.
Acute Oral Effects: Not established
Chronic Effects: Not established
Carcinogenicity: Not a carcinogen

- **Section 12: Ecological Information**

Environmental Transport: Solid waste.
Environmental Degradation: Photo degradable
Soil Absorption/Mobility: None.

- **Section 13: Disposal Considerations**

Disposal: Remove solid waste to landfill.

- **Section 14: Regulatory Information**

EPA Regulations: SARA Toxic Chemical (40 CFR 372.65); None

- **Section 15: Other Information**

FTC Warning:
Spray polyurethane foam should not be applied to the interior of a building without an approved 15 minute thermal barrier such as ½" sheetrock or other tested material as defined by the applicable building code.

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Conditions of MSDS Use
The information contained herein is furnished in good faith but without warranty of any kind. This MSDS reflects information Resin Technology Company believes to be accurate on the date of preparation and is provide in accordance with the OSHA Hazard Communication Standard (29 CFR 1910, 1200). Users should consider these data a supplement to other information gathered by them ands must make independent determination of suitability and completeness of information from all sources to ensure proper use, handling and disposal of this product. Users are solely responsible for handling, application, or other use of this product and for ensuring the safety and heath of their employees and customers and the protection of the environment. Consult Resin technology Company for further Information.

MSDS= Material Safety Data Sheet; CAS=Chemical Abstract Service; ACGIH= American Conference of Governmental Industrial Hygienist; TLV= Threshold Limit Value; OSHA= Occupational Safety and Health Administration; PEL= Permissible Exposure Limit; AIHA= American Industrial Hygiene Association; WEEL- Work place Environmental Exposure Level; HMIS= Hazardous Materials Information System; NTP= National Toxicology Program; LARC= International Agency from Research on Cancer; NIOSH= National Institute for Occupational Safety and Health; MSHA= Mine Safety and Health Administration; RCRA= Resource Conservation and Recovery Act; TSCA= Toxic Substance Control Act; SARA= Superfund Amendments and Reauthorization Act; HCS= Hazardous Communication Standard.