

Section 1: Identification

Product/Chemical Name: SMARTci GreenGirt

Chemical Family: Fiber Glass Reinforced Polymer/Polymerized Thermoset Polyesters

CAS Number: N/A

Other Designations: GFRP, Glass Fiber Reinforced Plastics

Manufacturer: Advanced Architectural Products, 959 Industrial Drive, Allegan, MI 49010

Emergency Phone Number: (269) 355-1818

Fax: (866) 858-5568

Web: www.smartcisystems.com

Section 2: Hazard Identification

Emergency overview: These products are sold as “manufactured articles” and do not represent a hazard under normal use. Hazards listed are associated with modifications made to the manufactured articles. Exposure to dust from cutting, grinding, or altering these products may irritate the skin, eyes, nose, throat, or upper respiratory tract.

Potential Health Effects:

Inhalation: Breathing dust generated from machining this product or handling may cause nose, throat, or lung irritation including coughing or choking depending on the degree of exposure.

Eye: Eye contact with airborne dust may cause immediate or delayed irritation or inflammation. Eye exposure may require immediate first aid treatment and medical attention to prevent damage to the eye.

Skin: Skin contact with dust or glass fibers may cause irritation, dry skin, or abrasion.

Ingestion: Unlikely occurrence that may cause irritation.

Section 3: Composition/Information on Ingredients

| Material | % weight |
|-----------------------|----------|
| Cured Polyester Resin | 50-60 |
| Glass Fiber | 20-30 |
| Aluma Trihydrate | 20-25 |

Section 4: First Aid Measures

Inhalation: Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Eye contact: Flush with water for 15 minutes or until irritation ceases. Seek medical attention for abrasions.

Skin contact: Remove contaminated clothing. Wash with mild soap and water.

Ingestion: Seek medical attention.

Section 5: Firefighting Measures

General Fire Hazard: Class A material. ASTM E84: Flame Spread = 25; Smoke Development Index = 200.

Firefighting Procedure: Use self-contained apparatus for large-scale fires.

Flash Point & Method: N/A.

Extinguishing Media: Water, CO₂, dry chemical – use media most appropriate for fire condition.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, smoke.

Unusual Fire or Explosion Hazards: None known.

Section 6: Accidental Release Measures

General: These solid articles do not represent a spill hazard. Avoid actions that cause dust to be generated from articles to become airborne. Avoid inhalation of dust. Wear appropriate protective equipment as directed in Section 8.

Waste Disposal: Follow federal, state, or local regulations for solid waste materials disposal. This material is not classified as hazardous waste material and depending on applicable regulations can be considered common industrial waste.

Section 7: Handling and Storage

Handling: Specific weight of GreenGirt is comparable to dry wood. Use proper lifting and handling techniques. If cutting, grinding, or similar operations are required, minimize dust generation and accumulation. Avoid breathing dust. Wear appropriate protective equipment. Use safety and industrial hygiene practice.

Storage requirements: Store away from heat, open flame, other ignition sources, and incompatible materials. See Section 10.

Regulatory requirements: N/A.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

U.S. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|------------|------|----------------------|----------------------|
| Dust (-) | TWA | 3 mg/m ³ | Respirable particles |
| | | 10 mg/m ³ | Inhalable particles |

U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|------------|------|----------------------|---------------------|
| Dust (-) | PEL | 5 mg/m ³ | Respirable fraction |
| | | 15 mg/m ³ | Total dust |

U.S. OSHA Table Z-3 (29 CFR 1910.1000)

| Components | Type | Value | Form |
|------------|------|----------------------|---------------------|
| Dust (-) | PEL | 5 mg/m ³ | Respirable fraction |
| | | 15 mg/m ³ | Total dust |
| | | 50 mppcf | Total dust |
| | | 15 mppcf | Respirable fraction |

Canada, Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components | Type | Value | Form |
|------------|------|----------------------|----------------------|
| Dust (-) | TWA | 3 mg/m ³ | Respirable particles |
| | | 10 mg/m ³ | Total particulate |

Canada, British Columbia OELs (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components | Type | Value | Form |
|------------|------|----------------------|---------------------|
| Dust (-) | TWA | 3 mg/m ³ | Respirable fraction |
| | | 10 mg/m ³ | Total dust |

Canada, Ontario OELs (Control of Exposure to Biological or Chemical Agents)

| Components | Type | Value | Form |
|------------|------|----------------------|----------------------|
| Dust (-) | TWA | 3 mg/m ³ | Respirable particles |
| | | 10 mg/m ³ | Inhalable |

Canada, Quebec OELs (Minister of Labor -- Regulation Respecting the Quality of the Work Environment)

| Components | Type | Value | Form |
|------------|------|----------------------|------------|
| Dust (-) | TWA | 10 mg/m ³ | Total dust |

Engineering Controls: Ventilate as needed to control airborne dust. Use explosion-proof ventilation equipment if airborne dust levels are high.

Personal Protective Equipment:

Eye/face Protection: Use tight-fitting gloves if dust is generated by machining operation.

Skin Protection: Wear protective gloves, long pants, and long sleeves when machining, cutting, drilling, etc.

Respiratory Protection: Under normal conditions, respirator is not normally required. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filler.

General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Appearance: Rigid

Odor: Odorless

Physical State: Solid

pH: Not available

Freezing Point: Not available

Flash Point: Not available

Flammability: Not available

Viscosity: Not available

Vapor Density: Not available

Partition Coefficient: Not available

Specific Gravity: 1.6-1.8

Color: Green

Odor Threshold: Not available

Form: Solid

Melting Point: Not available

Boiling Point: Not available

Evaporation Rate: Not available

Vapor Pressure: Not available

Solubility: Not available

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Section 10: Stability and Reactivity

Stability: Stable

Polymerization: Will not occur.

Chemical Incompatibilities: Avoid contact with alkali, acids, and other oxidizers.

Conditions to Avoid: Contact with incompatibles (see below).

Hazardous Decomposition Products: Toxic smoke or vapors, such as carbon monoxide or carbon dioxide, may be released in a fire.

Section 11: Toxicological Information

Acute Effects: Exposure to dust may cause irritation of the eyes, skin, and respiratory tract.

Chronic Effects/Carcinogenicity: Exposure to dust from cutting, drilling, grinding, etc., may cause irritation of the eyes, skin, and respiratory tract.

Section 12: Ecological Information

Ecotoxicity: This product has no known effect on ecology.

Section 13: Disposal Considerations

Waste Disposal Method: This material is not classified as hazardous waste material and depending on applicable regulations can be considered common industrial waste and as such, can be buried in landfills approved for these categories. Dispose of material in accordance with federal, state, and local regulations.

Section 14: Transport Information

This material is not classified as a Hazardous Material under U.S. DOT or Canadian TDG regulations.

Section 15: Regulatory Information (non-mandatory)

U.S. Federal Regulations: This product is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA (Superfund) Reportable Quantity (lbs) (40 CFR 302.4): None.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard Categories:

Immediate Hazard: No

Delayed Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): No

Section 311/312 (40 CFR 370): No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15): Not controlled

WHMIS Status: Not controlled

State regulations: This product does not contain a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.

Section 16: Other Information

HMIS® Ratings:

Health: 0

Flammability: 0

Physical Hazard: 0

NFPA Ratings:

Health: 0

Flammability: 0

Physical Hazard: 0

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available.

Issue Date: 8/10/16

Abbreviations:

CAS: Chemical Abstracts Services

CPR: Controlled Products Regulations

DOT: Department of Transportation

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Health and Safety Administration

PEL: Permissible Exposure Limit

PPE: Personal Protective Equipment

WHMIS: Workplace Hazardous Materials Information System

Note: The term Dust, as used herein, refers to any airborne particulate that is small enough to be air-suspended.