



MATERIAL SAFETY DATA SHEET

UFP VENTURES, INC.

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SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME:	TechTrim™ Innocell™ Perennia™
DESCRIPTION:	Extruded polystyrene products. Product appearance varies.
PREPARED BY:	Legal Compliance Department
IN CASE OF EMERGENCY:	Company: (800) 598-9663 Chemtrec: (800) 424-9300

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CAS #	Component	Percent
9003-55-8	Impact Polystyrene (butadiene-styrene copolymer)	90-100%
n/a	Water based acrylic enamel*	0-5%
n/a	Pigment/Resin compound**	0-5%
n/a	Inert Additives (proprietary)	0-10%

*Present only in colored products with surface coating **Present only in colored products with colorfast pigment

SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, extruded product	Specific Gravity:	0.38 (water = 1)
Odor:	None	Vapor Pressure:	Not Available
Boiling Point:	Not Applicable	Vapor Density:	Not Applicable
Melting Point:	<270 deg. F	Density:	23.5 lbs/ft ³
Freezing Point:	Not Applicable	% Volatile by Volume:	0%
Weight per Gallon:	Not Applicable	Solubility (H ₂ O):	Not Soluble
Evaporation Rate:	Not Applicable	Reactivity (H ₂ O):	Not Applicable

SECTION 4 – FIRE AND EXPLOSION HAZARD

Flash Point	Method	Upper/Lower Flammable Limit	Auto-ignition	Rate of Burn	Classification
Not Available	Not Applicable	Not Available	824 deg. F	Not Available	Combustible

Unusual Fire and Explosion Hazards: May be combustible at higher temperatures. No information available concerning reactivity with other materials. Products of combustion are carbon oxides (CO, CO₂), hydrocarbons and soot. Fire may produce irritating gasses and dense smoke. Chemicals that may be released include styrene monomer, benzene, and other hydrocarbons. No hazardous polymerization likely to occur.

Fire Fighting Equipment and Extinguishing Media: Use dry chemicals, CO₂, water spray, halon, or foam. Fire fighters should use full protective clothing including self-contained breathing apparatus.

SECTION 5 – HEALTH HAZARDS AND FIRST AID

Hazard Communication Label Information: Caution! Do not burn. Irritating vapors to the respiratory system and eyes may form when burning. Skin contact with heated or molten material can cause severe burns. Use exhaust ventilation when cutting, sawing or grinding in an enclosed area. Dust may cause irritation to eyes, skin, and upper respiratory tract. When cutting, sanding, or grinding avoid inhalation and wear safety glasses.

	Signs and Symptoms of Acute Overexposure	First Aid Measures
Eyes:	Debris from cutting or machining product may cause irritation to the eyes. Symptoms can include irritation, redness, scratching of the cornea, and tearing. Chemical ingredients are not known to cause eye irritation.	Immediately flush eyes with water for at least 15 minutes. Seek medical attention if symptoms persist.
Skin:	No known acute skin effects of this product. Heated product skin contact can cause serious thermal burns.	Rinse with water. If irritation occurs, get medical attention immediately.
Ingestion:	Ingestion is unlikely. No effects are expected if ingestion does occur.	If the material is swallowed, get medical attention or advice. Do not induce vomiting.
Inhalation:	Nuisance dusts can be irritating to the upper respiratory tract. Irritating vapors may form under high temperatures. Prolonged or repeated inhalation of dust particulates may impair lung function or cause lung damage.	If dusts are inhaled, remove person to fresh air. If symptoms persist, seek medical attention.

Note to Physician: Sensitive individuals may experience effects from exposure.

Medical Conditions Generally Aggravated by Exposure: Respiratory ailments and pre-existing eye and skin conditions may be aggravated by exposure to debris and airborne particles. Prolonged or repeated inhalation of dust or particulates may impair lung function or cause lung damage.

Chronic Overexposure: Nuisance dusts may be irritating to the eyes, skin and respiratory tract. Prolonged or repeated inhalation of nuisance dust may cause respiratory irritation, recurrent bronchitis, and prolonged colds. Recurrent exposure may cause allergic skin and respiratory reactions in some individuals. Repeated or prolonged exposure to chemical ingredients is not known to aggravate medical conditions.

Carcinogenicity: Neither the chemical ingredients or the byproducts from machining this product have been shown to be carcinogenic, mutagenic or teratogenic.

SECTION 6 – EXPOSURE CONTROL MEASURES/PERSONAL PROTECTION

Personal Protective Equipment

- Eyes/Face:** Wear Safety glasses with side shields when handling, cutting, sanding, or grinding this material. Use a face shield for processes that may generate excessive dusts and debris.
- Skin:** Wear canvas or cotton work gloves and coveralls when handling.
- Respiratory:** Respirators must be worn if the ambient concentration of airborne contaminants exceeds prescribed exposure limits. Dust masks may be worn to avoid inhalation of nuisance dust. Dust masks are not adequate protection in environments above the occupational exposure limit.
- Ventilation:** Cutting, grinding or sanding should be done outdoors or in a well ventilated area.

Component Exposure Limits

Component	OSHA		ACGIH	
	PEL	STEL	TLV	TLV STEL
Particulates Not Otherwise Regulated	15 mg/m ³ total dust 5 mg/m ³ respirable fraction (as a nuisance dust)	N/A	10 mg/m ³ total dust 3 mg/m ³ respirable fraction (as a nuisance dust)	N/A

*A state run OSHA program may have more stringent limits for Particulates Not Otherwise Regulated.

SECTION 7 – SAFE HANDLING, STORAGE, DISPOSAL, AND ACCIDENTAL RELEASE MEASURES

Handling Procedures:

- Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding wood.
- Practice good personal hygiene procedures.
- Avoid breathing dusts.
- Do not eat, drink, or smoke when handling this product or in areas where dusts of this product are present.

Storage Procedures

- Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts
- Store in a cool, dry area away from excessive heat, sparks, and open flame.

Disposal Procedures

- Dispose of waste material according to local, State, and Federal Regulations.
- Practice good housekeeping in working areas. Debris on the floor could present a serious slipping problem.

Accidental Releases

- No containment measures are necessary as a release to the environment is unlikely

SECTION 8 – REGULATORY INFORMATION

SARA 302/304 EHS	None
SARA 311 Hazard Categorization	Acute <u>X</u> Chronic <u>X</u> Fire <u>X</u> Pressure <u>—</u> Reactive <u>—</u> N/A <u>—</u>
SARA 313 Toxic Chemical	None
CWA 307 & 311	None
CAA 112	None
DOT Proper Shipping Name	N/A
DOT Hazard Class	N/A
Reportable Quantity	Not Available
HCS Classification	None
WHIMS (Canada)	None, CEPA DSL: Polystyrene (Impact)
California Prop. 65	This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. (Paints and colorants)
Hazardous Material Info. System	Health <u>0</u> Fire Hazard <u>1</u> Reactivity <u>0</u> Personal Protection <u>—</u>
Ecological/Toxicological Info.	Not Available

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