

Section 1. Product and Company Identification

Trade Name: ClearShield
Usage: Lead-free transparent sheeting for radiation shielding applications.
Manufacturer: Turner MedTech
1119 South 1680 West
Orem, UT 84058 USA
Phone: (801) 796-2951
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Section 2. Hazard(s) Identification

Classification (GHS-US): This article is not classified according to GHS.
Overview: Clear sheet with yellow tint that is not expected to create any immediate hazard. Avoid inhaling dust. Can burn in fire, releasing hazardous gases and fumes.
Inhalation: No hazard expected in normal use. Vapors from heated product may cause irritation, nausea, headache and dizziness.
Skin Contact: No irritation; possible cuts from contact with sharp edges.
Eye Contact: Mechanical irritation in case of dust or chips entering the eye.
Ingestion: No hazard expected in normal use.

Section 3. Composition / Information on Ingredients

<u>Ingredients</u>	<u>CAS Reg. No.</u>	<u>Weight %</u>
Acrylic/styrene copolymer	Trade Secret	100

Section 4. First Aid Measures

Inhalation: Move subject to fresh air. Consult a physician if symptoms persist.
Skin Contact: Treat cuts from sharp edges as necessary.
Eye Contact: If irritation occurs from chips or dust entering the eye, flush eyes thoroughly with a large amount of water. Consult a physician if irritation persists.
Ingestion: If illness or adverse symptoms develop, consult a physician.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical.
Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.
Specific Fire Hazards: This product is a combustible thermoplastic material that burns vigorously with intense heat.
Special Protective Equipment or Precautions for Fire Fighters: Wear a self-contained breathing apparatus (pressure demand) and full protective gear.

Section 6. Accidental Release Measures

Personal Precaution: See SDS section 8, Exposure Controls/Personal Protection
Environmental Precaution: None anticipated.
Cleanup Procedures: Avoid generation of dust. Remove all sources of ignition. Sweep or scoop into closed containers for disposal.

Section 7. Handling and Storage

Handling:	Wear gloves and other appropriate personal protective equipment to prevent cuts during handling. Do not overheat the product. Avoid contact with heated product to prevent burns. Assure good ventilation of the work station.
Storage:	Store at room temperature. Protect from heat and direct sunlight. Store in a dry, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Exposure limits:	Data is not available
Engineering Controls:	Ensure adequate ventilation. If handling or machining operations result in dust generation or high temperatures, local exhaust ventilation should be provided to minimize exposure to dust or decomposition products.
Eye/face Protection:	Use goggles or safety glasses when cutting or machining.
Skin/Body Protection:	Wear appropriate protective clothing and gloves to minimize mechanical risk.
Respiratory Protection:	In case of insufficient ventilation, wear appropriate respiratory equipment.
Other Protection:	Keep away from sources of ignition.

Section 9. Physical and Chemical Properties

Appearance:	Solid sheet, transparent with a slight yellow tint.
Odor:	No odors at room temperature.
Odor threshold:	Data is not available
pH:	Not applicable
Melting point/freezing point:	Data is not available
Boiling point/range:	Data is not available
Flash point:	Data is not available
Evaporation rate:	Not applicable
Flammability:	UL94 HB
Flammability/explosive limits:	Data is not available
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative Density:	1.6 g/cm ³
Solubility:	Insoluble.
Boiling Temperature:	Data is not available
Partition coefficient:	Not applicable
Auto-ignition temperature:	Data is not available
Decomposition temperature:	Data is not available
Viscosity:	Not applicable
Explosive properties:	Data is not available
Oxidizing properties:	Data is not available

Section 10. Stability and Reactivity

Reactivity:	None under normal conditions of use.
Chemical Stability:	Stable under normal conditions of use.
Possibility of hazardous reactions:	No dangerous reactions known.

Conditions to avoid:	High temperature (200°C or higher) to avoid thermal decomposition. Storing at temperatures above room temperature will darken the yellow tint.
Incompatible materials:	None reasonably foreseeable.
Hazardous decomposition products:	Chemicals formed under decomposition or fire conditions may include: carbon monoxide, carbon dioxide, styrene monomer, benzene

Section 11. Toxicological Information

Likely routes of exposure:	Inhalation, ingestion, skin, and eye contact, primarily from dust generated from machining operations or exposure to temperatures above 315°C.
Acute toxicity:	Data is not available
Skin corrosion/irritation:	Data is not available
Serious eye damage/irritation:	Data is not available
Respiratory or skin sensitization:	Data is not available
Germ cell mutagenicity:	Data is not available
Carcinogenicity:	Styrene monomer is a reactant of the ClearShield product. Styrene monomer has been identified as a possible carcinogen per IARC (Group 2B)
Reproductive toxicity:	Data is not available
STOT-single exposure:	Data is not available
STOT-repeated exposure:	Data is not available
Aspiration hazard:	Data is not available
Other:	ANSI/AAMI/ISO 10993-5 Reactivity: None

Section 12. Ecological Information

Toxicity:	Data is not available
Persistence and degradability:	Data is not available
Bioaccumulative potential:	Data is not available
Mobility in soil:	Data is not available
Results of PBT and vPvB assessment:	Data is not available
Other adverse effects:	No additional information available

Section 13. Disposal Considerations

This product has no specific disposal requirements. Waste disposal should be in accordance with national, regional, and local laws and regulations.

Section 14. Transport Information

There are no regulations impacting safe transport of this product.

Section 15. Regulatory Information

Ensure this material is in compliance with federal and local regulations.

Section 16. Other Information

NFPA Ratings	Health: 0	Flammability: 1	Reactivity: 0
HMIS Ratings	Health: 0	Flammability: 1	Physical Hazard: 0

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