



11650 Lakeside Crossing Ct Maryland Heights, MO 63146 U.S.A

Safety Data Sheet

1. Product and Company Identification

1.1. Product identifier

Trade name : **SPARTECH CLEAR CAST ACRYLIC SHEETS, RODS AND TUBES**

1.2. Recommended uses:

Aircraft transparencies, architectural glazing, commercial displays and signs, other industrial uses.

1.3. Company

SPARTECH LLC
11650 Lakeside Crossing Ct.
Maryland Heights, MO,
United States, 63146
Telephone: [314-569-7400](tel:314-569-7400)

1-800-243-9002 (Product Information)

1-800-424-9300 (24 Hour Emergency Number, CHEMTREC)

2. Hazards identification

2.1. Classification of the articles according to Regulation 29CFR 1910.1200

These articles are not classified

These products are not considered to be hazardous

2.2. Label elements

These articles do not meet the criteria for classification

2.3. Other hazards

Articles should be fabricated and handled in accordance with good industrial hygiene and safety practice. Operations, such as grinding, sanding or sawing, can produce dust which may present a respiratory hazard. These products could release fumes and/or vapors of variable composition depending on processing temperatures and times. The fumes and/or vapors could be irritating to the eyes and respiratory system.

3. Composition/information on ingredients

Component	CAS Number	Content	Hazard Statement
Acrylic polymers and/or copolymers	proprietary	100%	Not classified

4. First-aid**4.1. First aid measures**

General advice	See section 2.3
Inhalation	None needed
Skin contact	None needed
Eye contact	None needed
Ingestion	None needed

4.2. Most important symptoms and effects, both acute and delayed

None known

4.3. Indication of any immediate medical attention and special treatment needed

None known

5. Fire-fighting recommendations**5.1. Extinguishing media**

Suitable extinguishers: CO₂, water spray, foam, dry chemical

5.2. Specific hazards arising from using the articles

In case of fire, flammable and harmful vapors could develop which are irritating to the eyes and respiratory system.

5.3. Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Use water spray to cool articles exposed to fire.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable to these articles

6.2. Environmental precautions

Unused material should not be released into the environment. Collect and dispose of unused residues.

6.3. Materials Disposal and cleaning up

Obey relevant local, state, and federal laws and regulations.

7. Handling and storage**7.1. Precautions for safe handling**

Safe handling recommendations: Avoid dust formation and accumulation during fabrication. When heating to elevated temperatures, vapors and decomposition products could be given off, which is inherently unavoidable. During thermal processing and/or machining local exhaust ventilation at processing machines is necessary.

Prevention of fire and explosion: Avoid potential static discharges. In the event of fire, cool the product at risk using water.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store in dry, ambient conditions

8. Exposure controls/personal protection**8.1. Control parameters****Exposure Limit Information**

In the event of thermal decomposition, follow these guidelines for levels of methyl-methacrylate (2-Propenoic acid, 2-methyl-, methyl ester) (80-62-6)

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 50 ppm
Short Term Exposure Limit (STEL): 100 ppm

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

PEL: 100 ppm (410 mg/m³)

8.2. Exposure controls**Engineering controls**

If fabrication operations generate dust, use adequate ventilation and/or dust masks.

8.3. Personal protective equipment

Protective measures	It is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using or handling these products.
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9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Color: **Colorless**

Form:	Sheets, rods and tubes
Odor:	Odorless
Physical state:	Solid
Melting point/freezing point:	Softening Temperature approx. 105 °C (221 F)
Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Autoignition temperature	> 450 °C (>840 F)
Decomposition temperature	Thermal depolymerization gradually begins at approx 230 °C / 450 °F.
Impact Sensitivity	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Flammability (solid, gas)	No data available
Vapor pressure	Not applicable
Density	1.19 g/cm ³ at 20 °C / 68 °F
Solubility in water	Insoluble
Solubility (qualitative)	Soluble in esters, ketones and chlorinated hydrocarbons:

10. Stability and reactivity

10.1. Chemical reactivity or stability

This material is considered stable under normal conditions of storage, shipment and/ or use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products generated under normal conditions of storage and use.

11. Toxicological information

11.1. Information on toxicological effects



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Toxicokinetics, metabolism and distribution	These materials are essentially not bioavailable	
Acute Oral Toxicity	No test data available No evidence for hazardous properties	no specific
Serious eye damage/irritation:	No specific test data available No evidence for hazardous properties	
Caustic burning / irritation of skin	No specific test data available No evidence for hazardous properties	
Carcinogenicity	no specific test data available no evidence for hazardous properties	
Reprotoxicity / teratogenicity	No specific test data available No evidence for hazardous properties	
Specific Target Organ Toxicity - (single exposure)	No specific test data available No evidence for hazardous properties	
Specific Target Organ Toxicity – (repeated exposure)	No specific test data available No evidence for hazardous properties	
Respiratory/skin sensitization	No test data available. No evidence of hazardous properties	
General information	The product has not been tested toxicologically. When handled and used properly these products will not cause hazardous effects to health according to studies on similar products and practical experience.	

12. Ecological information**12.1. Toxicity**

Hazardous to the aquatic environment No evidence for hazardous properties

12.2. Persistence and degradability

Persistence and degradability No evidence for hazardous properties

12.3. Bioaccumulative potential

Bioaccumulation No evidence for hazardous properties

12.4. Mobility in soil

Mobility: No evidence for hazardous properties

12.5. Other adverse effects

General Information The product has not been tested ecotoxicologically. Based on the products' properties and low water solubility, bioavailability is unlikely. Studies on products with similar composition confirm this assumption.

13. Disposal considerations**13.1. Waste treatment methods**

Products: Waste must be disposed of in accordance with federal, state and local regulations.

Packaging Uncontaminated packaging may be taken for recycling.

14. Transport information**US DOT Hazard Classification**

Not subject to the regulations on dangerous goods.

Shipment by sea IMDG/GGVSee

Not dangerous according to transport regulations.



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Air transport ICAO/IATA

Not dangerous according to transport regulations.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

INVENTORY INFORMATION

REACH (EU)	preregistered, registered or exempted
TSCA (USA)	listed or exempted

US FEDERAL REGULATORY INFORMATION

Component / CASRN	TPQ [lbs]	CERCLA RQ [lbs] (40CFR302.4)	SARA 302 List of EHS	SARA 313 (40CFR372)	TSCA 12b
NONE					

COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

Component / CASRN	Weight %	HAP	EHAP
NONE			

PRODUCT CLASSIFICATION UNDER SECTION 311/312 OF SARA (40CFR370)

NONE

US STATE REGULATORY INFORMATION

California Prop. 65: These products do not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive defects.

CANADIAN REGULATION

This is a non-controlled product.

WHMIS:NO



16. Other information

	Health	Flammability	Physical Hazard
HMIS-Ratings	0	1	0
NFPA-Ratings	0	1	0

HMIS Hazard Ratings

4 = severe
3 = serious
2 = moderate
1 = slight
0 = minimal
N = no rating for powders
* = chronic health hazard

NFPA Hazard Ratings

4 = extreme
3 = high
2 = moderate
1 = slight
0 = insignificant
N = no rating for powders

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