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**

1-800-243-9002 (Product Information)
1-800-424-9300 (24 Hour Emergency Number, CHEMTREC)

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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**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Content</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic polymers and/or copolymers</td>
<td>proprietary</td>
<td>100%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time Weighted Average (TWA)</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Short Term Exposure Limit (STEL)</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>100 ppm (410 mg/m³)</td>
</tr>
</tbody>
</table>

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.

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/cm³ 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
Toxicokinetics, metabolism and distribution  

These materials are essentially not bioavailable

Acute Oral Toxicity  

No test data available  
No evidence for hazardous properties

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.
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

<table>
<thead>
<tr>
<th>Component / CASRN</th>
<th>CERCLA RQ [lbs] (40CFR302.4)</th>
<th>SARA 302 List of EHS</th>
<th>SARA 313 (40CFR372)</th>
<th>TSCA 12b</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

<table>
<thead>
<tr>
<th>Component / CASRN</th>
<th>Weight %</th>
<th>HAP</th>
<th>EHAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS-Ratings</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>NFPA-Ratings</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

HMIS Hazard Ratings
- 4 = severe
- 3 = serious
- 2 = moderate
- 1 = slight
- 0 = minimal
- N = no rating for powders

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

* = chronic health hazard

Revision Date: September 10, 2018

Disclaimer: This information is offered in good faith and is based on the best knowledge and experience currently available. End-users should determine the suitability of these articles for their specific applications. No warranty or fitness for use for any particular purpose is implied.