1. Chemical Product and Company Identification

   **Trade Name:** Acriglas® Acrylic Sheet

   **Supplier:**
   Acrilex, Inc
   230 Culver Avenue
   Jersey City, NJ  07305

   **Product Information Number**  1-201-333-1500

   **Chemical Family:** Polymerized Methyl Methacrylate (PMMA)
   **Product Name:** Acrylic Sheet

   **Product Use:** Point of purchase display and fixture parts, light advertising, lighting lens components, furniture, trade-fair booth design, architectural panels, decoration, Industrial Use

2. Composition/Information on Ingredients

   This material is classified as not hazardous under OSHA regulations.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Reg. No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>acrylic copolymer</td>
<td>trade secret</td>
<td>100</td>
</tr>
</tbody>
</table>

   See Section 8, Exposure Controls/Personal Protection

3. Hazards Identification

   **Emergency Overview**

   **Color:** colorless or colored
   **Appearance:** solid in various forms
   **Odor:** odorless

   Under normal conditions of use, this product is not expected to create any unusual industrial hazards.

   **Primary Routes of Exposure**
   Eye contact (if exposed to chips)

   **Potential Health Effects**

   **Inhalation**
   No hazard expected in normal use.

   **Eye Contact**
   No hazard expected in normal use.
   Material can cause the following:
   - mechanical irritation
Skin Contact
  Material can cause the following:
  - cuts (when using cut sheets)

Ingestion
  No hazard expected in normal use.

Potential Environmental Effects
  See SECTION 12, Ecological Information

4. First Aid Measures

First Aid Procedures

Inhalation
  No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Eye Contact
  If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists. (possible during machining processes)

Skin Contact
  No specific treatment is necessary since this material is not likely to be hazardous.

Ingestion
  Ingestion is not considered a potential route of exposure.

5. Fire-Fighting Measures

Flash point
  > 250 °C  ( ASTM D1929-68 )
  > 482 °F  ( ASTM D1929-68 )

Autoignition Temperature
  > 400 °C  ( ASTM D1929-68 )
  > 752 °F  ( ASTM D1929-68 )

Lower explosion limit
  not applicable

Upper explosion limit
  not applicable

OSHA Flammability Classification
  none

Other Flammable Properties
  Use water spray to cool containers exposed to fire.

Extinguishing Media
  Use the following extinguishing media when fighting fires involving this material:
  water spray - foam - dry chemical - carbon dioxide

Fire Fighting Procedures
  As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. Accidental Release Measures

Procedures
Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations.
See Material Safety Data Sheet section 8, Exposure Controls/Personal Protection.

7. Handling and Storage

Handling
During thermal processing and/or machining local exhaust ventilation at processing machines is necessary.

Storage
Storage: dry.

8. Exposure Controls/Personal Protection

Exposure Limit Information

ACRYLIC COPOLYMER
trade secret
No Occupational Exposure Values established (ACGIH, OSHA, Canada and Mexico).

Engineering Controls (Ventilation)
If use operations generate dust, use adequate ventilation.

Respiratory Protection
A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator’s use.

Eye Protection
goggles for machining operations

Hand Protection
protective gloves against mechanical risks

Other Protective Equipment
To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. Physical and Chemical Properties

Appearance colorless or colored
Physical state solid in various forms
Odor odorless
Flash point > 250 °C (ASTM D1929-68)
> 482 °F (ASTM D1929-68)
pH-value not applicable
Viscosity (dynamic) | not applicable
---|---
Specific gravity (water = 1) | 1.15 - 1.19 g/cm³ at 20 °C / 68 °F
Vapor density (air = 1) | not applicable
Vapor pressure | not applicable
Softening Temperature | > 110 °C / 230 °F
Boiling Temperature | not applicable
Solubility in water | insoluble
n-Octanol/water partition coefficient | not applicable
Evaporation rate | not applicable
Odor threshold | not available
Further information | none

See Section 5, Fire Fighting Measures

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10. Stability and Reactivity

**Stability**
- No decomposition if stored and applied as directed.

**Conditions To Avoid**
- The product is chemically stable.

**Incompatibility With Other Materials**
- None reasonably foreseeable.

**Hazardous Decomposition Products**
- None when used as directed. In case of thermal decomposition, combustible vapours are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate

**Hazardous Polymerization**
- No hazardous reactions known.

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11. Toxicological Information

**Further Information on Toxicology**
- The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience.

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12. Ecological Information

**Information on Elimination ( Persistence and Degradability)**

**Ecotoxicological Effect**

**Further Information on Ecology**
- The product has not been tested ecotoxicologically.
- On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption.
13. Disposal Considerations

   Procedures

   Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Acrilex, Inc encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste.

14. Transport Information

   Further information

   Not subject to the regulations on dangerous goods.

15. Regulatory Information

   INVENTORY INFORMATION

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

   US FEDERAL REGULATORY INFORMATION

   Component / CASRN     TPQ [lbs]  CERCLA RQ [lbs]  SARA 302 (40CFR302.4)  SARA 313 (40CFR372)  TSCA 12b
   acrylic polymer / trade secret  NONE          NONE  NONE          NONE     NONE

   COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

   Component / CASRN     Weight %  HAP  EHAP
   acrylic polymer / trade secret  NONE          NONE  NONE

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

   NONE

   US STATE REGULATORY INFORMATION

   Component / CASRN     New Jersey RTK  Pennsylvania RTK  Massachusetts RTK  California Proposition 65 Cancer  California Proposition 65 Reproductive
   acrylic polymer / trade secret  NO  NO  NO  NO  NO

   This product contains (a) chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.
CANADIAN REGULATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the MSDS contains all information required by the Controlled Products Regulations.

This is a non-controlled product.
WHMS: NO

Component / CASRN NPRI

NONE

16. Other Information

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

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

This MSDS was prepared in accordance with ANSI Z400.1-1998.

Places marked by || have been amended from the last version.

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