1. Chemical Product and Company Identification

ACRYLITE® - Special Products

The information of this material safety data sheet applies to the following product groups:

ACRYLITE® Reflections Acrylic Sheet, ACRYLITE® HEATSTOP FF,
ACRYLITE® Radiant Acrylic Sheet, ACRYLITE® Sterling Acrylic Sheet,
ACRYLITE SUNACTIVE® GP / FF, ACRYLITE® MULTICOLOR Acrylic Sheet,
ACRYLITE® Fluorescent, ACRYLITE® 237 Acrylic Sheet,
ACRYLITE® OP-4 Acrylic Sheet, ACRYLITE® GP F Acrylic Sheet,
ACRYLITE® GP FL Acrylic Sheet, ACRYLITE® GP FLW Acrylic Sheet,
ACRYLITE® BR2 Acrylic Sheet, ACRYLITE® BRT GAR Acrylic Sheet,
ACRYLITE® BR Acrylic Sheet, ACRYLITE® BR GAR Acrylic Sheet,
ACRYLITE® Securus™ Acrylic Sheet,
ACRYLITE® Securus™ GAR Acrylic Sheet,
ACRYLITE® OP-1 Acrylic Sheet,
ACRYLITE® OP-2 Acrylic Sheet, ACRYLITE® OP-2 P-95 Acrylic Sheet,
ACRYLITE® OP-3 Acrylic Sheet, ACRYLITE® AR OP-3 Acrylic Sheet,
ACRYLITE® OP-3 P-99 Acrylic Sheet,
Aviation Grades: ACRYLITE® GMS Acrylic Sheet,
ACRYLITE® GMU Acrylic Sheet, ACRYLITE® 249 Acrylic Sheet

Supplier:
Evonik CYRO LLC
379 Interpace Parkway
Parsippany, NJ 07054-0677

Product Information Number 1-207-490-4242
24 Hour Emergency Number, CHEMTREC 1-800-424-9300

Product Use: acrylic glass, building glazing, protective glazing, store construction, trade-fair booth design, light advertising, displays, mirror, aircraft transparency, 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>

NJTSR # 56705700001-6896 P

See Section 8, Exposure Controls/Personal Protection

3. Hazards Identification

Emergency Overview
Material Safety Data Sheet

Status: 07/08/2008
Version: 1.1
ACRYLITE® - Special Products

Color: colorless or colored
Appearance: sheets
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
Material Safety Data Sheet

Status: 07/08/2008
Version: 1.1

ACRYLITE® - Special Products

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

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.
# Material Safety Data Sheet

**Status:** 07/08/2008  
**Version:** 1.1  
**ACRYLITE® - Special Products**

## 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>colorless or colored</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>sheets</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>odorless</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 250 °C (ASTM D1929-68)</td>
</tr>
<tr>
<td></td>
<td>&gt; 482 °F (ASTM D1929-68)</td>
</tr>
<tr>
<td><strong>pH-value</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Viscosity (dynamic)</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Specific gravity (water = 1)</strong></td>
<td>1.19 g/cm³ at 20 °C / 68 °F</td>
</tr>
<tr>
<td><strong>Vapor density (air = 1)</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Softening Temperature</strong></td>
<td>from 103 °C / 217 °F</td>
</tr>
<tr>
<td><strong>Boiling Temperature</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Solubility in water</strong></td>
<td>insoluble</td>
</tr>
<tr>
<td><strong>n-Octanol/water partition coefficient</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>not available</td>
</tr>
<tr>
<td><strong>Further information</strong></td>
<td>none</td>
</tr>
</tbody>
</table>

See Section 5, Fire Fighting Measures

## 10. Stability and Reactivity

**Stability**  
This product is stable under normal storage conditions.

**Conditions To Avoid**  
This material is considered stable.

**Incompatibility With Other Materials**  
No known incompatibility with other materials.

**Hazardous Decomposition Products**  
In case of thermal decomposition, combustible vapors are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate

**Hazardous Polymerization**  
Product will not undergo polymerization.

## 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.
12. Ecological Information

Information on Elimination (Persistence and Degradability)

Ecotoxicological Effect

Further Information on Ecology
The product has not been tested eco toxico logically.
On the basis of the produ cts consistency as well as its low wa ter solubility a bio availability 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. CYRO 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

| EINECS (EU) | listed or exempted |
| TSCA (USA) | listed or exempted |
| DSL (CDN)  | listed or exempted |

US FEDERAL REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Component / CASRN</th>
<th>TPQ [lbs]</th>
<th>CERP/ARQ [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>
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</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>
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</table>

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

NONE
Material Safety Data Sheet

US STATE REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Component / CASRN</th>
<th>New Jersey RTK</th>
<th>Pennsylvania RTK</th>
<th>Massachusetts RTK</th>
<th>California Proposition 65 Cancer</th>
<th>California Proposition 65 Reproductive</th>
</tr>
</thead>
<tbody>
<tr>
<td>acrylic polymer /</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>trade secret</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

WHMIS: NO

Component / CASRN: NPRI

NONE

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

* = 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.

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