1. Chemical Product and Company Identification

ACRYLITE® - Sheets/Rods/Tubes

Supplier:

Evonik CYRO LLC
299 Jefferson Road
Parsippany, NJ 07054-0677
+1-973-929-8000

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

Product Use: building glazing, light advertising, furniture, trade-fair booth design, displays, 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>

NJTSR # 56705700001-7119P

See Section 8, Exposure Controls/Personal Protection

3. Hazards Identification

Emergency Overview

Color: transparent
Appearance: sheets
Odor: odourless

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.

Note to Physician
None known

5. Fire-Fighting Measures

Flash point
> 250 °C ( ASTM D 1929-68 )
> 480 °F ( ASTM D 1929-68 )

Ignition temperature
> 400 °C ( ASTM D 1929-68 )
> 750 °F ( ASTM D 1929-68 )

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.

Unusual Hazards
In case of fire partly flammable, partly harmful vapours, which are irritating to the eyes and respiratory system, may be formed on thermal decomposition.

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.
Should not be released into the environment. Collect and dispose of unused residues.
See Material Safety Data Sheet section 8, Exposure Controls/Personal Protection.

7. Handling and Storage

Handling
Avoid dust formation. During thermoplastic processing, vapours of the decomposition products referred to in section 10 are given off, which are technically unavoidable (Observe exposure threshold limit values). 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 transparent
Physical state sheets
Odor  odourless
Flash point  > 250 °C ( ASTM D 1929-68 )
          > 480 °F  ( ASTM D 1929-68 )
pH-value  not applicable
Viscosity (dynamic)  not applicable
Specific gravity (water = 1)  ca. 1.20 g/cm3 at 20 °C / 68 °F
Vapor density (air = 1)  not applicable
Vapor pressure  not applicable
Softening Temperature  ca.ca. 100 °C / 210 °F
Boiling Temperature  not applicable
Solubility in water  insoluble
Bulk density  not available
Solubility (qualitative)  in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
n-Octanol/water partition coefficient  not applicable
Evaporation rate  not applicable
Odor threshold  not available
Further information  none
See Section 5, Fire Fighting Measures

10. Stability and Reactivity

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

Conditions To Avoid
High temperature. Depolymerization begins at 250 °C / 482 °F.

Incompatibility With Other Materials
None reasonably foreseeable.

Hazardous Decomposition Products
No hazardous decomposition products known.

Hazardous Polymerization
No dangerous reactions known.

11. Toxicological Information

Acute Oral Toxicity
no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Irritant Effect on the Skin
no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Irritant Effect on the Eyes
no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Sensitization
no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Mutagenicity
no specific test data available
no evidence for hazardous properties (structure-activity-relationships) (analogy)

Carcinogenicity
no specific test data available
no evidence for hazardous properties (structure-activity-relationships) (analogy)

Reprotoxicity / teratogenicity
no specific test data available
no evidence for hazardous properties (structure-activity-relationships) (analogy)

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. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Avoid skin and eye contact and inhalation of product dust/aerosols.

12. Ecological Information
Information on Elimination (Persistence and Degradability)
Bioaccumulation

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. Prevent substance from entering soil, natural bodies of water and sewer systems.

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

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CLASSIFICATION</th>
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<tbody>
<tr>
<td>REACH (EU)</td>
<td>preregistered, registered or exempted</td>
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<tr>
<td>TSCA (USA)</td>
<td>listed or exempted</td>
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<td>DSL (CDN)</td>
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<tr>
<td>AICS (AUS)</td>
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<td>METI (J)</td>
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<td>ECL (KOR)</td>
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<td>PICCS (RP)</td>
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<td>IECSC (CN)</td>
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<td>ECS (Taiwan)</td>
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US FEDERAL REGULATORY INFORMATION

<table>
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COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

<table>
<thead>
<tr>
<th>Component / CASRN</th>
<th>Weight %</th>
<th>HAP</th>
<th>EHAP</th>
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<tbody>
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PRODUCT CLASSIFICATION UNDER SECTION 311/312 OF SARA (40CFR370)

NONE

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 / secret</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

This product contains (a) chemical(s) known to the State of California to cause cancer.
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

Recommended restriction(s) for use
None known.

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

HMIS Hazard Ratings

| 4 = severe | 4 = extreme |
| 3 = serious | 3 = high |
| 2 = moderate | 2 = moderate |
| 1 = slight | 1 = slight |
| 0 = minimal | 0 = insignificant |

NFPA Hazard Ratings

| N = no rating for powders |
| N = no rating for powders |

* = chronic health hazard

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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