

# Material Safety Data Sheet

Status: 09/07/2006

Version: 1.1

**ACRYLITE® Resist**

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## 1. Chemical Product and Company Identification

ACRYLITE® Resist

**Synonyms:** Acrylic polymer

Supplier:

**RÖHM AMERICA / CYRO INDUSTRIES**

379 Interpace Parkway  
Parsippany, NJ 07054-0677

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

® is a registered trademark

**Product Use:** acrylic glass

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## 2. Composition/Information on Ingredients

**This material is classified as not hazardous under OSHA regulations.**

<u>Ingredients</u>	<u>CAS Reg. No.</u>	<u>Weight %</u>
acrylic copolymer	trade secret	100

NJTSR # 56705700001-6766P

See Section 8, Exposure Controls/Personal Protection

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## 3. Hazards Identification

### Emergency Overview

Color: various, depending on coloration  
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)

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## 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

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## 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.

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## 5. Fire-Fighting Measures

**Flash point** not applicable

**Autoignition Temperature** > 399 °C  
> 750 °F

**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.

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## 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.

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## 7. Handling and Storage

### Handling

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

### Storage

Storage: dry.

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## 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.

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## 9. Physical and Chemical Properties

<b>Appearance</b>	various, depending on coloration
<b>Physical state</b>	sheets
<b>Odor</b>	odorless
<b>Flash point</b>	not applicable

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<b>pH-value</b>	not applicable
<b>Viscosity (dynamic)</b>	not applicable
<b>Specific gravity (water = 1)</b>	
<b>Vapor density (air = 1)</b>	not applicable
<b>Vapor pressure</b>	not applicable
<b>Softening Temperature</b>	not available
<b>Boiling Temperature</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>n-Octanol/water partition coefficient</b>	not applicable
<b>Evaporation rate</b>	not applicable
<b>Odor threshold</b>	not available
<b>Further information</b>	none

See Section 5, Fire Fighting Measures

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## 10. Stability and Reactivity

### Stability

This product is stable under normal storage conditions.

### Conditions To Avoid

Decomposition begins above 250°C / 482 °F.

### Incompatibility With Other Materials

Oxidizing agents. No known incompatibility with other materials.

### Hazardous Decomposition Products

In case of thermal decomposition combustible, the eyes and respiratory system irritating vapors are formed, consisting mainly of: methyl methacrylate

### Hazardous Polymerization

Product will not undergo polymerization.

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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 eco toxicologically.

On the basis of the products consistency as well as its low water solubility a bio availability is unlikely. Studies on products with similar composition confirm this assumption.

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## 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.

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## 14. Transport Information

### Further information

Not subject to the regulations on dangerous goods.

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## 15. Regulatory Information

### INVENTORY INFORMATION

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

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

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## 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

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

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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