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SB18007  
V# 045605

0366244-006-US

**Material Safety Data Sheet**

Status: 11/15/2011

Version: 1.1

**ACRYLITE® Acrylic Molding and Extrusion Compounds**

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**1. Chemical Product and Company Identification****ACRYLITE® Acrylic Molding and Extrusion Compounds****Synonyms:** Polymethylmethacrylate; PMMA

Supplier:

**Evonik CYRO LLC**  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
+1-973-929-8291Product Information Number 1-207-490-4242  
24 Hour Emergency Number, CHEMTREC 1-800-424-9300

® is a registered trademark

**Product Use:** molding compound for injection molding and extrusion

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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	> 95

NJTSR # 56705700001-6736P

See Section 8, Exposure Controls/Personal Protection

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**3. Hazards Identification****Emergency Overview**

Color:	colourless or coloured
Appearance:	pellets
Odor:	odourless

**Under normal conditions of use, this product is not expected to create any unusual industrial hazards.****Primary Routes of Exposure**Skin contact  
Eye contact

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.

## 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

Store in a dry place.

## 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

Use safety glasses (ANSI Z87.1 or approved equivalent).

### Hand Protection

General use gloves are recommended to protect the skin from drying and irritation.

## 9. Physical and Chemical Properties

Appearance	colourless or coloured
Physical state	pellets
Odor	odourless
Flash point	> 250 °C ( ASTM D 1929-68 ) > 482 °F ( ASTM D 1929-68 )
pH-value	not applicable

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Viscosity (dynamic)	not applicable
Specific gravity (water = 1)	1.19 g/cm <sup>3</sup> at 20 °C / 68 °F
Vapor density (air = 1)	not applicable
Vapor pressure	not applicable
Softening Temperature	approx. 108 °C / 226 °F
Boiling Temperature	not available
Solubility in water	insoluble
Bulk density	approx. 700 kg/m <sup>3</sup> at 20 °C / 68 °F
Solubility (qualitative)	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
n-Octanol/water partition coefficient	not available
Evaporation rate	not available
Odor threshold	not available
Further information	Dust explosions are generally to be expected with dust-forming organic products.

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 vapours 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

### 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)



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## 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.

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## 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. Do not allow to enter soil, waterways or waste water.

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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

### US DOT Hazard Classification

Not subject to the regulations on dangerous goods.

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## Canadian TDG Classification

Refer to the classification US DOT

## Shipment by sea IMDG/GGVSee

Not a dangerous good within the meaning of transportation regulations.

## Air transport ICAO/IATA

Not a dangerous good within the meaning of transportation regulations.

## 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 RC [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 polymer / trade secret	NO	NO	NO	NO	NO

### 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	



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## 16. Other Information

	Health	Flammability	Physical Hazard
HMIS-Ratings	1	1	0
NFPA-Ratings	1	1	0
HMIS Hazard Ratings		NFPA Hazard Ratings	
4 = severe		4 = extreme	
3 = serious		3 = high	
2 = moderate		2 = moderate	
1 = slight		1 = slight	
0 = minimal		0 = insignificant	
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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Date of printing : 03/14/2012