

# Lucite® L Material Safety Data Sheet



## Material Identification

MSDS Number: 1021  
CAS Number: 2582-37-3  
CAS Name: Poly (Methyl Methacrylate/butyl acrylate)  
Product Use: General Plastics Fabrication and Glazing

## Company Identification

### DISTRIBUTOR

A & C Plastics, Inc.  
6135 Northdale  
Houston, TX 77087-5095

### PHONE NUMBERS

Product Information: 1.800.231.4175  
Transportation Emergency: 1.800.424.9300  
Medical Emergency: 1.877.886.2143

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## COMPOSITION/INFORMATION ON INGREDIENTS

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Material	CAS Number	%
Poly (Methyl Methacrylate/butyl acrylate)	2585-37-3	-97
Butyl Acrylate	141-32-2	<1
*Methyl Methacrylate	80-62-6	<2.5
*Cadium Sulfoselenide	58339-34-7	<0.2

\*Regulated as a Toxic Chemical under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

\*\*Present only in grades: RD2157 and RD2793

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## HAZARDS IDENTIFICATION

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### EMERGENCY OVERVIEW

Operations such as sawing, routing and drilling may generate dust and irritating fumes.

Potential Health Effects:

EYE: Dust or fumes from fabrication operations may cause irritation.

SKIN: Unlikely to cause skin irritation.

INGESTION: Low oral toxicity.



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INHALATION: Unlikely to be hazardous but dust or vapors may cause irritation.

CHRONIC (CANCER) INFORMATION: Cadmium sulfoselenide is classified as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION: No information but adverse effects unlikely.

REPRODUCTIVE INFORMATION: No information but adverse effects unlikely.

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## FIRST AID MEASURES

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### First Aid

Inhalation: Remove patient from exposure. Obtain medical attention if ill effects occur.

Skin Contact: Wash skin with soap and water.

Eye Contact: Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.

Ingestion: Ingestion of small quantities of this material under normal circumstances would not cause harmful effects.

Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

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## FIRE FIGHTING MEASURES

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### FIRE AND EXPLOSION HAZARD DATA

Flash point: Not applicable

Autoignition temperature: No data

Flammable limits (STP): Not applicable

Extinguishing media:

Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

Special fire fighting protective equipment: Self-contained breathing apparatus with full face piece and protective clothing.

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## ACCIDENTAL RELEASE MEASURES

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NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.



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## HANDLING AND STORAGE

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No information available.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Personal Protective Equipment

Eye/Face : Safety Glasses.  
Additional : Long sleeve shirt  
Protective Gloves : Protective

### Exposure Guidelines

#### Exposure Limits

#### “LUCITE” L Acrylic Sheet

PEL (OSHA): Particulates (Not Otherwise Classified)

15 mg/m<sup>3</sup>, 8 Hr. TWA, total dust

5 mg/m<sup>3</sup>, 8 Hr. TWA, respirable dust

TLV (ACGIH): None Established

#### Other Applicable Exposure Limits

#### BUTYL ACRYLATE

PEL (OSHA) : None Established

TLV (ACGIH) : 10 ppm, 52 mg/m<sup>3</sup>, 8 Hr. TWA

#### METHYL METHACRYLATE

PEL (OSHA) : 100 ppm, 410 mg/m<sup>3</sup>, 8 Hr. TWA

TLV (ACGIH) : 100 ppm, 410 mg/m<sup>3</sup>, 8 Hr. TWA

LUCITE recommended: 50 ppm, 205 mg/m<sup>3</sup>, 8 Hr. TWA, 100 ppm, 410 mg/m<sup>3</sup> STEL

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## PHYSICAL AND CHEMICAL PROPERTIES

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% Volatiles : <3%  
Solubility in Water : Negligible  
Odor : Typical “methacrylate”  
Form : Sheet  
Specific Gravity : 1.19

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## STABILITY AND REACTIVITY

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### REACTIVITY DATA

Stability: Stable under normal conditions.



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Incompatibility: Oxidizing agents.  
Hazardous decomposition products:  
Combustion products: Carbon dioxide, carbon monoxide. Methyl methacrylate, butyl acrylate.  
Hazardous polymerization: Will not occur.

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## TOXICOLOGICAL INFORMATION

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General: No toxicity information is available on this specific preparation; this health hazard assessment is based on information that is available on the properties of its components.

HEALTH HAZARD Ingestion: The acute oral LD50 in rat is probably above 5,000 mg/kg. Relative to other materials, this material is classified as “practically non toxic” by ingestion.

Eye contact: Other than mechanical abrasion, no irritation is likely to develop following contact with human eyes.

Skin contact: No irritation is likely to develop following contact with human skin.

Skin absorption: This product will probably not be absorbed through human skin.

Inhalation: No toxic effects are known to be associated with inhalation of dust from this material.

Other effects of overexposure: No other adverse clinical effects have been associated with exposures to this material.

### Carcinogenicity Information

The following components are listed by IARC, NTP, OSHA or ACGIH as carcinogens. A “P” indicates a proposed carcinogen.

Material	IARC	NTP	OSHA	ACGIH
CADMIUM SULFOSELENIDE		X	X	X X

INEOS controls the foCADMIUM SULFOSELENIDE.

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## ECOLOGICAL INFORMATION

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Aquatic Toxicity: Toxicity of the polymer is expected to be low based on negligible water solubility.



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## DISPOSAL CONSIDERATIONS

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### Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Incinerate material in accordance with Federal, State/Provincial and Local requirements. Do not incinerate in closed containers.

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## TRANSPORTATION INFORMATION

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### DOT

Proper Shipping Name: Not regulated.

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## REGULATORY INFORMATION

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Not classified as hazardous to users or for transport.

### U.S. Federal Regulations

TSCA Inventory Status : Reported/Included.

### Canadian Regulations:

DSL regulatory status : Included.

### European Regulations:

EINECS: Polymer, monomers included, 201-297-1 (methyl methacrylate);  
205-480-7 (butyl acrylate)

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## OTHER INFORMATION

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### Additional Information

NA = Not Applicable

NE = Not Established

# = Indicates updated section

### STATE RIGHT-TO-KNOW LAWS

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to



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the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES): Butyl Acrylate, Methyl Methacrylate, Cadmium Sulfoselenide.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: Cadmium and Selenium compounds.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGEN): Butyl Acrylate, Methyl Methacrylate, Cadmium Sulfoselenide.

MEDICAL USE: CAUTION: DO NOT USE IN MEDICAL APPLICATIONS INVOLVING IMPLANTATION IN THE HUMAN BODY.

A&C Plastics, Inc. has performed no clinical testing on the use of this product in any medical application. A&C Plastics, Inc. has no data to support the use of this product in any medical application. This product was not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. A&C Plastics, Inc. has neither sought, nor received, approval from any regulatory agency for the use of this product in implantation in the human body or for prolonged contact with internal body fluids or tissues.

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