

Museum Grade 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

COMPOSITION/INFORMATION ON INGREDIENTS

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 Sulffoselenide	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

HAZARDS IDENTIFICATION

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.
Inhalation	Unlikely to be hazardous but dust or vapors may cause irritation.
Chronic (Cancer) Information	Cadmium sulffoselenide is classified as a carcinogen.



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Teratology (Birth Defect) Information No information but adverse effects unlikely.

Reproductive Information No information but adverse effects unlikely.

FIRST AID MEASURES

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.

FIRE FIGHTING MEASURES

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.

ACCIDENTAL RELEASE MEASURES

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

HANDLING AND STORAGE

No information available.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face Safety Glasses

Additional Long sleeve shirt

Protective Gloves Protective



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EXPOSURE GUIDELINES

Exposure Limits

“LUCITE” L Acrylic Sheet

PEL (OSHA)	Particulates (Not Otherwise Classified) 15 mg/m ³ , 8 Hr. TWA, total dust 5 mg/m ³ , 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 ³ , 8 Hr. TWA

METHYL METHACRYLATE

PEL (OSHA)	100 ppm, 410 mg/m ³ , 8 Hr. TWA
TLV (ACGIH)	100 ppm, 410 mg/m ³ , 8 Hr. TWA
LUCITE recommended	50 ppm, 205 mg/m ³ , 8 Hr. TWA, 100 ppm, 410 mg/m ³ STEL

PHYSICAL AND CHEMICAL PROPERTIES

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

STABILITY AND REACTIVITY

REACTIVITY DATA

Stability	Stable under normal conditions
Incompatibility	Oxidizing agents



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HAZARDOUS DECOMPOSITION PRODUCTS

Combustion products

Carbon dioxide, carbon monoxide. Methyl methacrylate, butyl acrylate.

Hazardous polymerization

Will not occur.

TOXICOLOGICAL INFORMATION

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

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ECOLOGICAL INFORMATION

AQUATIC TOXICITY

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



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DISPOSAL CONSIDERATIONS

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.

TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME

Not regulated.

REGULATORY INFORMATION

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

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 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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