

## SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL NAME:** Methacrylate Polymer

**PRODUCT NAME:** Type 134, Clear (Perfect Finish White)

**TRADE NAME/PRODUCT CODE:** L 134 0000

**PRODUCT USE:** Organic Process Chemical

**MANUFACTURER:** SIMPLY ELEGANT/ELEGANT GLASS  
**ADDRESS:** 17712 CRABB LANE  
 HUNTINGTON BEACH, CA 92647

**24 HR. EMERGENCY TELEPHONE:** CHEMTREC: 1-800-424-9300

**PREPARED BY:** C.J. Bruner, HEALTH & SAFETY DEPARTMENT  
**PHONE:** 1-610-497-9000 During Business Hours  
 1-610-497-9000, Then press 6 At All Other times

**PREPARATION/UPDATE DATE:** 6/11/01  
**PRINT DATE:** 6/11/01

## SECTION 2- COMPOSITION/INFORMATION ON INGREDIENTS

**FOR POLYMER:**

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Particulates Not Otherwise Classified	NE	60.0-100.0
02	Residual Monomers	NA	0.5-5.0
03	Polymer	9003-42-3	60.0-100.0
04	Trade Secret	NA	0.5-5.0

ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL. TWA	PEL CEILING	RECOMMENDATION	SKIN
01	10 mg/m <sub>3</sub>	NE	15 mg/m <sub>3</sub>	NE	NE	NE
02	NA	NA	NA	NA	NA	NA
03	NE	NE	NE	NE	NE	NE
04	NE	NE	NE	NE	NE	NE

**FOR DECOMPOSITION PRODUCTS:**

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT %
05	Ethyl Methacrylate Monomer	97-63-2	60.0-100.0

ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING	RECOMMENDATION	SKIN
05	100 ppm	NE	100 ppm	NE	100 ppm	NE

See Section 16 for Abbreviations.

## SECTION-3 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

#### WARNING:

For Polymer: May irritate eyes, skin and respiratory track.

For Polymer:

OSHA classifies this material as Particulates, Not Otherwise Classified.

Eyes: May be irritated by gross overexposure, no matter how Generated. Keep dust out of eyes..

Skin: May be irritated by gross overexposure, no matter how Generated. May cause dryness.

Respiratory Tract: May be irritated by gross overexposure, no matter how Generated.

For Trade Secret:

No data available. No irritation expected.

For Decomposition Products:

Ethyl Methacrylate:

Acute Hazards:

Eyes: Eye contact may cause irritation with discomfort, tearing, Or blurring of vision.

Respiratory Tract: Inhalation may cause irritation of the respiratory tract with Coughing, of nonspecific discomfort, such as nausea, Headache and or weakness.

Skin: Effects in humans include skin irritation with discomfort or Allergic skin rashes.

Digestive Tract: Ingestion may cause anesthetic effects such as dizziness, Headache, confusion, incoordination, and loss of Consciousness.

Symptoms: May include burning sensation, coughing, wheezing, Laryngitis, shortness of breath, headache, nausea and Vomiting.

Chronic Hazards:

Skin: May cause allergic skin rashes.

Animal Studies: Administered lethal oral doses include weakness, labored And irregular respiration, drop in arterial blood pressure And coma.

### CARCINOGENICITY:

None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

### PRIMARY ROUTES OF ENTRY:

Inhalation, Skin or Eyes.

## SECTION 4- FIRST AID MEASURES

### EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:	Remove to fresh air. Get medical help if discomfort persists.
EYES:	Flush with water for 15 minutes, including under eyelids. Get medical help if Discomfort persists.
SKIN:	Wash with soap and water. Get medical help if discomfort persists.
INGESTION:	Rinse mouth out with water. Call doctor if amount was large.
CLOTHING:	Wash thoroughly before reuse.
TREATMENT:	Treat symptoms after thorough decontamination.

## SECTION 5- FIRE FIGHTING MEASURES

FLASH POINT:	304° C, 580° F
FLAMMABLE LIMIT, AIR VOL% LOWER:	NA
UPPER:	NA
AUTOIGNITION TEMPERATURE:	NE
EXTINGUISHER METHOD:	Water, carbon dioxide, dry chemical.
FIRE AND EXPLOSION HAZARDS:	Polymer dust is combustible. The explosive limits of the polymer Particles suspended in air are approximately those of coal dust. Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air, producing a fire hazard And possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.
SPECIAL FIRE FIGHTING PROCEDURES:	For Polymer: No. For Benzoyl Peroxide Component: Yes
EXPLOSION HAZARD:	For Polymer: No. For Benzoyl Peroxide Component: Yes
SENSITIVE TO MECHANICAL IMPACT:	
SENSITIVE TO STATIC DISCHARGE:	

## SECTION 6- ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE:	Sweep up to avoid slipping hazard. Keep airborne particulates at a Minimum when cleaning up spills.
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## SECTION 7- HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING:	Use in well ventilated areas. Wear gloves when handling powder.
PRECAUTIONS FOR STORAGE:	Store in cool dry place. Keep container closed to prevent water Absorption and contamination.

## SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION:	Use good, local exhaust at processing equipment, including Buffers, sanders, grinders and polishers.
RESPIRATORY PROTECTION:	Use type for Particulates Not Otherwise Classified, if needed
EYE PROTECTION:	Safety glasses or chemical splash goggles.
PROTECTION GLOVES:	Impervious, nitrile, if hot plastic is handled

**OTHER PROTECTIVE EQUIPMENT:**

Provide eyewash, safety shower and impervious clothing are Recommended. High temperature processing equipment should be Well ventilated.

**INDUSTRIAL HYGIENE PRACTICES:**

Wash face and hands thoroughly with soap and water after use And before eating, drinking, smoking, or applying cosmetics.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Fine white powder.
<b>ODOR:</b>	Faint odor in bulk.
<b>PH:</b>	ND
<b>ODOR THRESHOLD:</b>	ND
<b>BOILING POINT:</b>	NA
<b>FREEZING POINT:</b>	ND
<b>VISCOSITY:</b>	NA
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	1.25
<b>VAPOR PRESSURE:</b>	NA
<b>PERCENT VOLATILE W/W%:</b>	NA
<b>VAPOR DENSITY (AIR=1):</b>	NA
<b>EVAPORATION RATE (BuAc=1)</b>	3.0
<b>SOLUBILITY IN WATER:</b>	Insoluble
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	ND

## SECTION 10- STABILITY AND REACTIVITY

<b>CONDITIONS TO AVOID:</b>	Heating above 240° C, 464° F		
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong oxidizing agents.		
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Methacrylate Monomer and Oxides of Carbon when burned.		
<b>HAZARDOUS POLYMERIZATION:</b>	<b>MAY OCCUR:</b>	<b>WILL NOT OCCUR:</b>	X
<b>STABILITY:</b>	<b>UNSTABLE:</b>	<b>STABLE:</b>	X

## SECTION 11- TOXICOLOGICAL PROPERTIES

**TARGET ORGANS:**

For Polymer;	None Listed
For Trade Secret	None Listed

## For Decomposition Products:

Ethyl Methacrylate:	None Listed
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**SENSITIVITY DATA:**

## For Decomposition Products:

## Ethyl Methacrylate:

Eyes Rabbit	Draize	Non-irritating
Skin Rabbit	Occlusive, FDA Draize	Non-irritating
Guinea Pig	FCAT	Sensitizing
Guinea Pig	Maximization Test	Sensitizing
Observation Humans		Allergic contact Dermatitis

**MUTA GENICITY DATA:**

For Polymer: None listed  
 For Trade Secret: None listed

For Decomposition Products:

Ethyl Methacrylate: Positive tests as a mutagen on laboratory animals. Positive as well as negative Results in in-vitro mutagenicity/genotoxicity tests.

**REPRODUCTIVE TOXICITY DATA:**

For Polymer: None listed  
 For Trade Secret: None listed

For Decomposition Products:

Ethyl Methacrylate: None listed  
 Intraperitoneal Rat TD 735 mg/kg, 5-15D preg.  
 Intraperitoneal Rat TD 366 mg/kg, 5-15D preg.

**TUMOROGENIC DATA:**

For Polymer: None listed

**TOXICITY DATA:**

For Polymer: None listed  
 For Trade Secret: None listed

For Decomposition Products:

Ethyl Methacrylate:

Dermal Rabbit	LD	>9100 mg/kg
Dermal Rabbit	LD	>5000 mg/kg
Inhalation Rat	LC	8300 ppm/4H
Intraperitoneal Mouse	LD	1369 mg/kg
Intraperitoneal Rat	LD	1223 mg/kg
Oral Mouse	LD	7836 mg/kg
Oral Rat	LD	14800 mg/kg
Oral Rat	LD	13424 mg/kg
Oral Rat	LD	>5000 mg/kg
Oral Rabbit	LD	3630 mg/kg
Subcutaneous Rat	LD	25 gm/kg

**SECTION 12- ECOLOGICAL INFORMATION****AQUATIC TOXICITY:**

For Polymer: None listed

For Decomposition Products:

Ethyl Methacrylate

Fish:	LC	100 mg/L/96H
Daphnia Magna	EC	>66 mg/L/48H
Algae	EC	0.64 mg/L/96H
Bacteria Active Sludge	EC	>1000 mg/L/30min

**BIODEGRADATION DATA:**

For Decomposition Products:

Ethyl Methacrylate: Inherently biodegradable (69%)

**ECOLOGICAL TOXICITY**

For Polymer: Not Known

## SECTION 13-DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose in a landfill or incinerate according to Federal, State, and Local regulations.

**DISPOSAL OF EMPTY CONTAINERS:** Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material, associated with empty containers. It is our policy to discourage the reuse of Empty containers properly, in accordance with Federal State and Local Regulations.

## SECTION 14- TRANSPORTATION

**DOT/UN SHIPPING NAME:** SYNTHETIC GUM RESIN GRANULAR, NOIBN

**DOT/UN CLASS:**

**NA/UN NUMBER:**

**PACKING GROUP:**

**NAERG:**

**LABEL:**

**NMFC ITEM #:** 46030

**SCHEDULE B:** 3906.90.6000

**IMDG CLASS:**

**IMDG PG:**

**CERCLA RQ:** For Decomposition Products:  
Ethyl Methacrylate Monomer: 1000 lb.

## SECTION 15- REGULATORY INFORMATION

ITEM	TSCA	EINECS	AUSTRALIA	CANADA	JAPAN	KOREA
03	X	X				
04	X	X				
05	X	X		X		

  

ITEM	CERCLA	CAA	CWA	RCRA	SARA 313	MAK
05	X	X		U118	X	

  

ITEM	CA65	FL	MA	MI	MN	NJ	PA	WA
05		X	X			X	X	

**TSCA:** FOR USE IN FDA REGULATED PRODUCTS ONLY

**CANADIAN WHMIS:** This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS. Contains all the information required by the CPR. All of the components of this material are listed on the Canadian DSL.

**RISK STATEMENTS:** R36/37- Irritating to eyes and respiratory system.  
R43- May cause sensitization by skin contact.

**SAFETY STATEMENTS:** S7/8- Keep container tightly closed and dry  
S20/21- When using do not eat, drink or smoke  
S37/39- Wear suitable gloves and eye/face protection.

## SECTION 16- OTHER INFORMATION

### HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTIVE EQUIPMENT:	Gloves and Safety Glasses or Chemical Splash Goggles.

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0

### ABBREVIATIONS:

NA	Not Applicable	ND	Not Determined
NE	Not Established	CPR	Controlled Products Regulation
Ppm	parts per million	G	Gallon
Mg	Milligram	L	Liter
Gm	Gram	Mol	Mole
Kg	Kilogram		Micro
Mm	Millimeter	p	Pico
Pa	Pascals		
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Lethal Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		
OSHA	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienist		
IARC	International Agency for Research for Cancer		
TLV	Threshold Limit Value		
PEL	Permissible Exposure Limit		
NOEL	No Observed Effect Level		

**SECTION 16 - OTHER INFORMATION CONTINUED**