Rohm and Haas Company
Independence Mall West
Philadelphia, PA 19105

HEALTH EMERGENCY	: 215-592-3000
SPILL EMERGENCY	: 215-592-3000
OTHER	: 800-424-9300
CHEMTREC	: 800-424-9300

MATERIAL SAFETY DATA SHEET

Cell Cast

PRODUCT IDENTIFICATION

PLEXIGLAS® G Acrylic Sheet

Product code	:	-ALL-
Key	:	878923-3
MSDS date	:	09/06/90
Supersedes	:	02/10/86

Rohm and Haas Hazard Rating		Scale
Toxicity	1	4=EXTREME
Fire	1	3=HIGH
Reactivity	0	2=MODERATE
Special	-	1=SLIGHT
		0=INSIGNIFICANT

COMPONENT INFORMATION

No.		CAS REG NO.	AMT.(%)
1	P(MMA)	9011-14-7	98.5, MINIMUM
2	Methyl methacrylate	80-62-6	1.5, MAXIMUM

122190
204348
305561
305583
305601
305612
305634
305645
305678
305689
305718
305729
305740
305773
305795
305802
305824
305857
305868
305879
305880
305890

EMERGENCY RESPONSE INFORMATION

FIRST AID PROCEDURES

Inhalation

Move subject to fresh air.

Eye Contact

Flush eyes with a large amount of water for at least 15 minutes.

FIRE FIGHTING INFORMATION

Unusual Hazards

Material as sold is combustible; burns vigorously with intense heat.

Extinguishing Agents

Use extinguishing media appropriate for surrounding fire.

Personal Protective Equipment

As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARD INFORMATION

HEALTH EFFECTS FROM OVEREXPOSURE

Primary Routes of Exposure

Inhalation
Eye Contact

Inhalation

Inhalation of monomer vapor from heated product can cause the following:
- irritation of nose, throat, and lungs - dizziness - headache - nausea

Eye and Skin Contact

Monomer vapors from heated product can cause the following:
- irritation

FIRE AND EXPLOSIVE PROPERTIES

Flash Point	Not Applicable
Auto-ignition temperature	460°C/860°F
Lower explosive limit	Not Applicable
Upper explosive limit	Not Applicable

REACTIVITY INFORMATION

Instability

This material is considered stable. However, avoid temperatures above 260C/500F for prolonged periods to prevent slow decomposition.

Hazardous Decomposition Products

Thermal decomposition may yield acrylic monomers.

Incompatibility

Avoid contact with acids, alkalies and strong oxidizing agents.

ACCIDENT PREVENTION INFORMATION

COMPONENT EXPOSURE INFORMATION

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Exposure Limit Information

Component		ROHM AND HAAS		OSHA		ACGIH	
No.	Units	TWA	STEL	TWA	STEL	TLV	STEL
1		None	None	None	None	None	None
2	ppm	50	75	100	None	100	None
Product:	mg/m3	2 a	6	5 a	None	None	None

a Nuisance Dust

PERSONAL PROTECTION MEASURES

Respiratory Protection

None required under normal operating conditions.

Eye Protection

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

Hand Protection

Cotton or canvas gloves.

FACILITY CONTROL MEASURES

Ventilation

Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (45 m/min.) at the point of dust or mist evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

STORAGE AND HANDLING INFORMATION

Storage Conditions

This material is not hazardous under normal storage conditions. However, all materials of this type release some monomer vapors or gases when stored for prolonged periods at elevated temperatures. Avoid temperature extremes during storage; ambient temperature preferred.

Handling Procedures

This material can release monomer vapors or gases when heated to high temperatures during processing, cutting or machining. Measurements made under typical stack cutting conditions indicate that saw operators may be overexposed to methyl methacrylate vapors if local exhaust ventilation is not employed. Any dust produced by the cutting of PLEXIGLAS® Acrylic Sheet is considered "nuisance" dust. Worker exposure to dust can be controlled with adequate ventilation, vacuum dust removal at the point of generation, or the use of suitable protective breathing devices.

SUPPLEMENTAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear to opaque
State	Sheet
Odor Characteristic	Odorless
pH	Not Applicable
Viscosity	Not Applicable
Specific Gravity (Water = 1)	1.19
Vapor Density (Air = 1)	Not Applicable
Vapor Pressure	Not Applicable
Melting point	Not Applicable
Boiling point	Not Applicable
Solubility in water	Not Applicable
Percent Volatility	0%
Evaporation rate (BAc = 1)	Not Applicable

WASTE DISPOSAL

Procedure

For disposal incinerate this material at a facility that complies with local, state, and federal regulations.

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REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS

This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200) due to the potential for overexposure to methyl methacrylate monomer vapors which may be generated during processing.

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

TRANSPORTATION CLASSIFICATIONS

US DOT Hazard Class . . . . . NONREGULATED

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)

Section 311/312 Categorizations (40CFR 370)

This product is a hazardous chemical under 29CFR 1910.1200, and is categorized as a delayed health hazard.

Section 313 Information (40CFR 372)

This product does not contain a chemical which is listed in Section 313 above de minimis concentrations.

CERCLA INFORMATION (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA INFORMATION

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

CHEMICAL CONTROL LAW STATUS

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists
OSHA = Occupational Safety and Health Administration
TLV = Threshold Limit Value
PEL = Permissible Exposure Limit
TWA = Time Weighted Average
STEL = Short-Term Exposure Limit
BAc = Butyl acetate
Bar denotes a revision from previous MSDS in this area.

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