

MX Acrylic Sheet Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: General Purpose Cell Cast Acrylic Sheet

Chemical Name: Polymethyl Methacrylate

Commercial Name: Acrylic sheet and acrylic

NFPA704M/HMIS

Classification Risks Grades

Health 0= Insignificant

Flammability 1= Light

Reactivity 0= Insignificant

Others 0= Insignificant

2. DANGEROUS INGREDIENTS

Ingredients	CAS Number	%
Poly Methacrylate	87210-32-0 o 9011-14-7	98-99%
Residual Methyl Methacrylate	00080-62-6	1-2%

3. RISKS IDENTIFICATION

PRECAUTION:

Ingestion: N/A

Inhalation: Dust can create irritation in respiratory system.

Skin: N/A

Eyes: N/A

Consequences of

Excessive Exposition: No, any.



MX Acrylic Sheet Material Safety Data Sheet

4. FIRST AID MEASURES

Ingestion:	N/A
Inhalation:	Move the victim to a fresh air area; move away from dust exposition.
Skin:	Can create chaps.
Eyes:	Discomfort because of the presence of particles in the eye.
Carcinogenicidad:	No.

5. FIRE FIGHTING MEASURES

PROCEDURE AND SPECIAL PRECAUTIONS IN FIRE FIGHTING

Move far away as much as possible. Use equipment for self-contained breath and wear appropriate protection clothes. In big fires move the personnel away from the fire.

Extinguish with abundant water; use self-contained breath equipment. For internal fires, ventilate the area before accessing there.

COMBUSTION'S PRODUCTS HARMFUL FOR HEALTH

Smoke from combustion is toxic, and is mainly carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

DISPOSITION:

Off cuts, scrap or dust should be collected and disposed of in a safe way. Scrap is recoverable by recycling. If possible, send it to a recycling machine or to the manufacturer. Review recycling issues with the environmental specialist at your facilities.

7. HANDLING AND STORAGE

Sheet masking must not be removed until the product is going to be used.

8. EXPOSURE CONTROLS AND PERSONAL SAFETY EQUIPMENT

Wear clothes that protect body from dust.
Wear eye, face protection, safety spectacles, goggles or full face shield.
Use safety shoes with protection at toecap.



MX Acrylic Sheet Material Safety Data Sheet

9. PHYSICAL AND CHEMICAL PROPERTIES

Temperature of Fusion (°C):	>280
Temperature of Ebullition (°C):	----
Temperature of Inflammation (°C):	----
Temperature of Autoignition (°C):	
Relative Density (Water=1):	1.18 g/cm ³
Vapor Density (Air=1):	----
Solubility in Water:	No reaction.
Molecular Weight:	----
Physical Appearance:	Solid.
Color:	No color.
Odor:	No odor.
Percentage of Volatility:	0%
Solubility in Water:	0 gr/ 100mL of water.
Evaporation Velocity (Butyl Acetate = 1):	----
Vapor Pressure (mmHg a 20 °C):	----

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Conditions to prevent instability:	Heat above 570 °F; 298 °C
Incompatible materials:	Strong acids and oxidizing agents.
Decomposition of dangerous components:	Corrosive and toxic smoke.
Dangerous polymerization:	No.

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

The material is not a contaminant for water or air. Material is not biodegradable.



MX Acrylic Sheet Material Safety Data Sheet

13. DISPOSAL CONSIDERATIONS

DISPOSITION

The material is recyclable. Review recycling issues with the environmental specialist at your facilities.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

15. REGULATION INFORMATION

Not a dangerous material.

16. RISKS

The recommendations given in this material safety data sheet makes that risk for the Pre Polymer of Methyl Methacrylate be: LOW.

This document is only a safety data sheet and does not consider all the possible situations. Therefore, any other condition of usage and application will be the responsibility of the user.

