

# Safety Data Sheet



## MX Acrylic Sheet

### 1. Product details

Usage:	Plastic sheet products
Chemical name:	Polymethyl Methacrylate
Chemical characterization:	98.5 – 99 Acrylic copolymer 1.5 – 1 Process and performance additive

### 2. Hazards identification

This material is classified as not hazardous. Under normal conditions of use, this product is not expected to create any unusual industrial hazards. Irritating gases/fumes may be given off during burning or thermal decomposition. Contact with hot material will cause thermal burns.

### 3. First aid measures

Inhalation:	No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
Skin contact:	If molten material contacts skin, cool rapidly with cold water and obtain medical attention for thermal burn.
Eye contact:	Flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion:	Ingestion is not considered a potential route of exposure.

### 4. Fire – fighting measures

Suitable extinguishing measures:	Water spray, foam, dry chemical, carbon dioxide.
Special protective equipment & precaution for fire fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. In big fires, move personnel away from the fire. Extinguish with water; use self-contained breathing equipment. Ventilate the area.

### 5. Accidental release measures

Personal precaution:	Provide adequate ventilation. Wear personal protective equipment. Do not breathe dust.
Environmental precaution:	Do not allow to enter into soil, waterbodies, or drains.
Methods for cleaning up:	Avoid generation of dust. Remove all sources of ignition. Sweep or scoop up into closed containers for disposal.

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## 6. Handling and storage

Should be stored in stacks with the largest sheets at the base. Store in a covered area. Protect from dust as it can create scratches in the surface of the material.

## 7. Exposure control

Exposure limits:	Not applicable.
Ventilation measures:	Provide good ventilation and/or an exhaust system in the work area.
Respiratory protection:	None required under normal conditions.
Hand protection:	Canvas or cotton gloves.
Eye protection:	Safety glasses with side shields (ANSI Z87.1 equivalent).
Skin & body protection:	Wear suitable protective clothing and boots.
Other protective measures:	Avoid contact of molten material with skin. Do not inhale dust particles or vapors. Keep away from sources of ignition. Wash hands before breaks and after work.

## 8. Physical and chemical properties

Physical state:	Solid sheets
Color:	Clear to opaque, colored
Odor:	Not applicable
pH:	Not applicable
Melting point:	Not applicable
Boiling point:	Not applicable
Decomposition temperature:	Not applicable
Auto-ignition temperature:	752°F (400°C)
Explosion limits:	Not applicable
Evaporation rate:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Specific gravity:	1.18 g/cm <sup>3</sup>
Solubility:	Insoluble

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## 9. Stability and reactivity

Stability:	Stable under normal storage conditions.
Conditions to avoid:	Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.
Materials to avoid:	None under normal conditions of use.
Hazardous decomposition products:	Thermal decomposition or combustion may emit vapors, methyl methacrylate, ethyl acrylate.

## 10. Toxicological information

This product should not be harmful under normal conditions of use.

## 11. Ecological information

Not considered to be harmful to aquatic life.

## 12. Disposal considerations

Waste disposal should be in accordance with all federal, state, and local environmental laws and regulations.

## 13. Transport information

Not subject to national and international regulations on the transport of dangerous goods.

## 14. Regulatory information

EINECS (EU):	Listed or exempted
TSCA (USA):	Listed or exempted
DSL (CDN):	Listed or exempted

## 15. Other information

SDS Prepared by: A&C Plastics

The information presented herein is believed to be factual and reliable. It is offered in good faith, but without guarantee, since conditions and methods for the use of our products are beyond our control. We recommend that the prospective user determine the suitability of our products and these suggestions before adopting them on a commercial scale.