

# Safety Data Sheet



## MCast Acrylic Sheet

### 1. Product details

Usage:	Plastic sheet products
Chemical characterization:	100% Methyl Methacrylate

### 2. Hazards identification

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:	Move subject to fresh air.
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:	Do not induce vomiting. Obtain medical attention if ill effects occur.

### 4. Fire – fighting measures

Suitable extinguishing measures:	Water spray, foam, dry powder, or CO2.
Special protective equipment & precaution for fire fighters:	Wear a self-contained breathing apparatus and full protective gear.

### 5. Accidental release measures

Personal precaution:	Collect material and place in a disposal container.
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### 6. Handling and storage

Max. storage temperature:	Below 40°C
Handling:	Sheets should be handled with care, particularly in windy locations or outdoors. If broken or chipped the resultant edges can be sharp and cause cuts to skin and eyes.

### 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.

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Hand protection:	Canvas or cotton gloves.
Eye protection:	Wear eye/face protection.
Skin & body protection:	Wear suitable protective clothing and boots.
Other protective measures:	Provide adequate ventilation, including appropriate extraction if dusts, fumes, or vapors are likely to be evolved. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required. Local extraction close to the cutting head must be used when laser cutting.

## 8. Physical and chemical properties

Physical state:	Solid sheets
Color:	Clear or colored
Odor:	Not applicable
pH:	Not applicable
Decomposition temperature:	Will not decompose below 200°C
Flash point:	Not applicable
Explosion limits:	Not applicable
Evaporation rate:	Not applicable
Relative density:	1.19
Solubility:	Insoluble
Softening point:	>100°C

## 9. Stability and reactivity

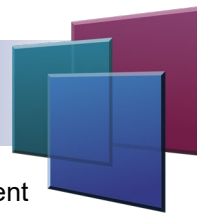
Stability:	Stable.
Hazardous decomposition products:	Methyl methacrylate, traces of Acrolein.

## 10. Toxicological information

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

Inhalation:	Unlikely route of exposure.
Skin contact:	No evidence of irritant effects from normal handling and use.

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Ingestion:	Unlikely to be harmful by ingestion under ambient temperature.
Eye contact:	This product in the form of dust can be irritating to the eyes. Sharp off-cuts may cause eye damage.

## 11. Ecological information

This product is a solid, inert product with low volatility, and is essentially insoluble in water.

Ecotoxicity:	This product should have low toxicity to aquatic and terrestrial organisms.
Mobility:	Due to the solid nature of this product, it should have low mobility in soil.
Persistence & degradability:	This product is non-biodegradable in soil.
Bioaccumulation:	This product has low potential for bioaccumulation.
Effect in sewage plants:	May be separated mechanically.

## 12. Disposal considerations

Waste disposal should be in accordance with all federal, state, and local environmental laws and regulations. Bury on an authorized landfill site or incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste.

## 13. Transport information

Not classified as Dangerous for Transport.

## 14. Regulatory information

Not classified as Dangerous for Supply/Use.

## 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.