

# Safety Data Sheet



## Acrystar Acrylic Sheet

### 1. Product details

Usage:	Plastic sheet products
Chemical characterization:	Greater than 90% Polymethyl methacrylate CAS No: 009011-14-7

### 2. Hazards identification

Under normal conditions of handling and use, this product is not expected to create any unusual industrial hazards. Care should be taken when thermoforming to ensure that the product is not exposed to temperature exceeding 200°C.

### 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:	This material is not expected to be absorbed within the gastrointestinal tract, so induction of vomiting should not be necessary.

### 4. Fire – fighting measures

Flash point:	Above 250 °C
Auto-ignition temperature:	Above 400 °C
Flammability limits:	N/A
Extinguishing media:	Water spray, foam, dry chemical, carbon dioxide
Protective equipment:	Self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

### 5. Accidental release measures

Procedure:	Collect material and place in disposal container. Obey relevant local, state, provincial, and federal laws and regulations.
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## 6. Handling and storage

Max. storage temperature:	Below 40 °C
Handling:	These sheets are heavy and unwieldy. They 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. During thermal processing and/or machining, local exhaust ventilation at processing machine is necessary. Take precautionary measures against static discharges.
Storage:	Keep away from sources of ignition. Protect from exposure to fire and heat.

## 7. Exposure control

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.

## 8. Physical and chemical properties

Form	Sheet
Odor	Odorless
pH (Value)	Not applicable
Boiling Point (°C)	Not applicable
Auto Ignition Temperature (°C)	Above 400°C
Explosive Properties	Not explosive
Oxidizing Properties	Not oxidizing
Vapor Pressure (mm Hg)	Not applicable
Vapor Density (air =1)	Not applicable
Specific Gravity (water =1)	1.19
Solubility	Insoluble
Partition Coefficient	Not applicable
Decomposition Temperature (°C)	Will not decompose below 200°C.
Freezing Point (°C)	Not applicable

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Softening Point (°C)	Above 100°C
Viscosity (dynamic)	Not applicable

## 9. Stability and reactivity

Stability:	No decomposition if stored and applied as directed
Incompatibility with other materials:	None reasonably foreseeable
Hazardous polymerization:	No hazardous reactions known
Hazardous decomposition products:	In case of thermal decomposition, combustible vapors are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate
Conditions to avoid:	This product is chemically stable

## 10. Toxicological information

This product has not been tested toxicologically. When handled, use as directed. The product will not cause hazardous effects to health according to studies on similar products and practical experience.

## 11. Ecological information

Environmental fate and distribution:	Medium tonnage material used in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation and low mobility in soil. Heavy metal-based pigments will not leach from waste material.
Persistence and degradation:	The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.
Effect on effluent treatment:	Unlikely to influence effluent treatment systems. The material is essentially insoluble in water and can therefore be separated from aqueous mediums by sedimentation and filtration processes at an effluent treatment plant.

## 12. Disposal considerations

Disposal should be in accordance with local, state or nation legislation. Incineration may be used to recover energy value. Bury on an authorized landfill site or incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste. Large quantities of waste may be recoverable. Contact supplier for specialized advice.

## 13. Transport information

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

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## 14. Regulatory information

Not classified as dangerous for supply/use.

EC Classification:

Under the classification, Packaging and Labeling of Dangerous Substances Regs, 1984, this material is not dangerous for supply or conveyance.

## 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.

**A&C**  
**PLASTICS, INC.**