

PRODUCT HANDLING INFORMATION SHEET

- 1 Substance / preparation and company name** **CRYLON®, extruded acrylic sheets**
- Company: Polycasa GmbH,
Gassnerallee 40, D-55120 Mainz
Tel. +0049 (0) 6131 – 631-0
- Emergency information: Polycasa GmbH
Tel.: +0049 (0) 6131 – 631-0
Fax: +0049 (0) 6131 –631-202
- 2 Composition / information on ingredients**
- Chemical nature: Polymethyl methacrylate copolymer CAS-N° 9011-14-7
- Additives: Possibly stabilizing agents / colouring and/or lubricants
- Hazardous ingredients: None
- 3 Possible hazards** No obligation to label in accordance to EU directive 1999/45/EG – VO (EC) 1272/2008
- 4 First aid measures**
- On inhalation of decomposition products: keep patient calm, remove to fresh air, and summon medical help
- On skin contact: Areas affected by molten material should be quickly placed under cold running water and summon medical help
- Note to physician On inhalation of decomposition products: Treat according to symptoms (decontamination, vital functions), no known specific antidote.
- 5 Firefighting measures**
- Suitable extinguishing media: Water, dry extinguishing media, foam, carbon dioxide
- Special protective equipment: In case of fire, wear a self-contained breathing apparatus
- Further information: Dispose of fire residues and contaminated extinguishing water in accordance to local regulations
- 6 Accidental release measures** Methods for cleaning up: Sweep/shovel up

Information contained herein is based on the present state of our knowledge and therefore does not guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

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7 Handling and storage
Storage

In original packing, protected against environmental impacts, keep in a dry place

Handling

Ensure good ventilation and local exhaustion of the working area. In case of mechanical operations (drill, saw, mill) the instructions/limited values for handling fine dust are to be observed (VDI guideline 3673, 2263) (Germany). Fire and explosion protection: no specific measures must be taken.

8 Exposure controls and personal protection

The following can be released in traces when the product is processed.
Components with workplace control parameters:

Methyl methacrylate	50ppm	210mg/m ³	CAS-N° 80-62-6	EG-N° 201-297-1	R36/37/38, R43
Methyl acrylate	5ppm	18mg/m ³	CAS-N° 96-33-3	EG-N° 202-500-6	R36/37/38

Threshold odour value of decomposition products: 1- 5 ppm
Explosion limits of decomposition products: 2.1 – 12.5 Vol. %

The relevant MAK values should be observed (Germany) TRGS 900 (Germany).

Given suitable ventilation, it can be assumed that the threshold limits will not be reached.

Personal protective equipment:

In case of usual handling, no special protective equipment will be necessary.
Under consideration of applied work technique, it may be mandatory to use:

Respiratory protection:	Dust filter type P1 in case of fine dust creation.
Skin protection:	Safety gloves, in case rough edges may cause cuts
Eye protection:	Safety glasses or complete face protection
General safety and hygiene measures	No general safety and hygiene measures necessary

9 Physical and chemical properties

Form: sheets
Colour: clear or coloured
Odour: odourless

Change in physical state

Softening point	> 100 °C	ISO 306
Ignition temperature	> 425 °C	DIN 51794
Fire promoting properties	None	
Density	1.19 g/cm ³	ISO 1183
Solubility in water	Insoluble	
Solubility in other solvents	soluble in organic solvents	

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PRODUCT HANDLING INFORMATION SHEET**10 Stability and reactivity**

Avoid thermal decomposition;
DO NOT OVERHEAT

Start of thermal decomposition at 350°C

Thermal decomposition, burning or faulty handling may diffuse noxious gases and vapours.
Thermal decompositions release carbon dioxide, carbon monoxide, monomers, steam and other degradation products.

11 Toxicological Information

Acute toxicity

No data available, insoluble in water

In our experience and according to information available to us
The product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12 Ecological information

Behaviour and environmental effects

Due to the consistency of the product, and its insolubility in water, it will apparently not be bio-available

13 Disposal considerations

The product is qualified for material recycling. After suitable treatment, the material can again be melted and processed.

The product can be dumped or incinerated in accordance to local regulations.

Disposal code:

EAK-Code: 120 105

(waste from mechanical forming, processing)

EAK-Code: 170 203

(waste-parts, oddments)

14 Transport information

Not classified as hazardous under transport regulations.

15 Regulatory information

Labelling according to EU Directives.
Not subject to labelling

National legislation / regulations
Not classified according to German "Hazardous Substance" regulations (Germany).

16 Other information

All CRYLON[®] acrylic sheets clear or coloured are in compliance with the REACH directive. The sheets are manufactured from acrylic polymers and exempt from registration

R36/37/38
R43

Irritating to eyes, respiratory system and skin-
May cause sensitization by skin contact

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