PT. MARGACIPTA WIRASENTOSA
Cast Acrylic Sheet & PVC Hose Manufacturer
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"Partnership & Quality Beyond Limit"

INDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY/ UNDERTAKING

Product Name : CAST ACRYLIC SHEET

Address : PT. MARGACIPTA WIRASENTOSA
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COMPOSITION/ INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION
A high molecular weight acrylic sheet used in a wide range of applications.
Methyl methacrylate : greater than 90%.

HAZARDOUS INGREDIENT (S)	CAS No.	EC No.	EC Classification
No classifiable hazardous ingredient (s)			

HAZARDS INDENTIFICATION

Low toxicity under normal conditions of handling and use. Thermal decomposition will evolve toxic, irritant and flammable vapours. Care should be taken during thermoforming to ensure that the product is not exposed to temperatures exceeding 200°C.
Certain machining operations eg. Laser cutting, can give rise to toxic and corrosive furmes. Adequate ventilation MUST be used.

FIRST AID MEASURES

Ingestion:
Material is not expected to be harmful by ingestion. No special first aid measures are required.

Skin Contact:
Wash immediately with plenty of water and soap.

Eye Contact:
Rinse immediately with plenty of water for at least 15 minutes.

Inhalation:
Material is not expected to be harmful if inhaled. Remove to fresh air.

FIRE - FIGHTING MEASURES

Extinguishing Media:
Use water spray or fog, carbon dioxide or dry chemical.

Protective Equipment:
Firefighters, and other exposed, wear self - contained breathing apparatus.

Fire Rating:

Classed as	DIN4102 : B2, with no burning droplets
	NF92500+ : M4(no droplets)
	BS476 Part 7: Class 3
	BS2782 method 508A: TP(b)

UL Flammability: UL94HB

ACCIDENTAL RELEASE MEASURES

Offcuts, swarf or dust should be collected and disposed of in a safe way.

HANDLING AND STORAGE

7.1 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.

Take precautionary measure against static discharges.

Process Hazards

All polymers degrade to some extent at their processing temperature, an effect which increases with increasing temperature.

Under normal conditions where thermoforming temperatures will not exceed 200°C thermal decomposition product will include methyl methacrylate.

Certain machining operation eg laser cutting can give rise to toxic and corrosive fumes. Adequate ventilation MUST be used.

7.2 STORAGE

Keep away from heat. Store vertically on A-frames

Storage Temperature : Below 40°C

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours 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. When suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment.

The following information is given as general guidance.

Respirators:	NORMAL HANDLING: Not normally required. PROCESSING: Dust: A suitable dust mask or dust respirator with filter type P may be appropriate. (EN141/EN143). Vapaur: If high levels above the Occupational Exposure Limit are likely - A suitable mask with filter type A may be appropriate. (EN141/ EN143).
Eye Protection:	Wear eye/ face protection. Safely spectacles/ goggles/ full face shield.
Gloves:	Sharp edges mau cause cuts. Wear Suitable gloves.

PHYSICAL AND CHEMICAL PROPERTIES

Form:	Sheet
Colour:	Clear or Coloured
pH (Value):	Not applicable
Boiling Point (°C):	Not applicable
Melting Point (°C):	Not applicable
Flash Point (°C):	11.5 (MMA). Sheet has no flash point.
Flammable Limits:	Not applicable
Auto Ignition Temperature (°C):	421 (MMA)
Explosive Properties:	Not explosive
Oxidising Properties:	Not oxidising
Vapous Pressure (mm Hg):	Not applicable
Vapour Pressure (Pascals):	Not applicable
Density:	1.19
Solubility (Water):	insoluble
Solubility (Other):	soluble in most organic solvents, acetone and chlorinated hydrocarbons
Partition Coefficient:	Not applicable
Decomposition Temperature (°C):	Will not decompose below 200°C
Freezing Point (°C):	Not applicable
Softening Point (°C):	>100
Viscosity (mPa.s):	solid

STABILITY AND REACTIVITY

Hazardous Reactions:	None known
Hazardous Decomposition Product (s):	Methyl methacrylate, traces of Acrolein.

TOXOLOGICAL INFORMATION

Inhalation
Unlikely route of exposure.

Skin Contact
No evidence of irritant effects from normal handling and use. Sharp edges may cause cuts.

Eye Contact
Swarf or dust may cause irritation. Sharp off-cuts may cause eye damage.

Ingestion
Unlikely to behazardous if swallowed.

Long Term Exposure
No known hazards are associated with the use of this material.

ECOLOGICAL INFORMATION

Environmental exposure from substances of this preparation are limited due to the physical form of the product.
This material is not classified as dangerous for the environment.

DISPOSAL CONSIDERATIONS
Disposal should be in accordance with local, state or national legislation. Incrineration may be used to recover energy value. Bury on an authorised 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.

TRANSPORT INFORMATION
Not Classified as Dangerous for Transport.

REGULATORY INFORMATION
Not Classified as Dangerous for Supply/ Use.

EC Classification:	Under the Classification, Packaging and Labelling of Dangerous Substances Rags, 1984, this material is not dengerous for supply or conveyance.

This information has been compiled from sources considered to be dependable and is, to the best of our knowledge, accurate and reliable as to the data compiled.
However, no guarantee or warranty is made to its accuracy, reliability and/ or completeness. It is the user's responsibility to satisfy himself as to the fitness or suitability of the product for the intended particular purpose or use. All risk of the use of the product are therefore assumed by the user. Appropriate warnings and safe handling procedures should be provided to handlers and users.