



## MATERIAL SAFETY DATA SHEET

### **COMPOSITION / INFORMATION ON INGREDIENTS**

#### PRODUCT DESCRIPTION

Clear or transparent tinted sheet

This material is classified as not hazardous under OSHA regulations.

Methyl Methacrylate: Approx. 100 %.

CAS No: 80-62-6

#### **HAZARDS IDENTIFICATION**

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

#### Potential Health Effects

##### Inhalation

- No hazard expected in normal use.

##### Eye Contact

- No hazard expected in normal use. Material can cause

irritation (if exposed to chips).

##### Skin Contact

- Non-irritation. Practically non-toxic. Molten material (hot) can even cause severe scalds. Material can cause cuts (when using cut sheets).

##### Ingestion

- No hazard expected in normal use

## **1. FIRST AID MEASURES**

### Inhalation

Remove patient from exposure. Obtain medical attention if ill effects occur.

### Eye contact

In case of contact with the eyes, rinse with plenty of water and seek medical advice.

### Skin Contact

Wash skin with soap and water. If symptoms develop, obtain medical attention

## **2. FIRE FIGHTING MEASURES**

Extinguishing Media: Water, spray foam, dry powder, or CO2

Fire Fighting Protective Equipment: breathing apparatus and protective clothing

## **3. ACCIDENTAL RELEASE MEASURES**

Collect material and place in a disposal container

## **4. HANDLING AND STORAGE**

### 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 the skin and eyes

### Storage

Storage temperature: dry; below 40 C.  
Storage life: indefinite under specified storage conditions

## **5. EXPOSURE CONTROLS**

Provide adequate ventilation, including appropriate local 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 higher level of protection is needed.

required. Local extraction close to the cutting head must be used when laser cutting. Where suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment.

Respirators : Normal Handling: Not normally required.

Eye Protection : Wear eye/face Protection. Safety spectacles/goggles/full face shield.

Gloves : Sharp edges may cause cuts. Wear suitable gloves.

Other : Wear suitable protective clothing.

## 6. PHYSICAL AND CHEMICAL PROPERTIES

Form	: sheet
Colour	: clear or coloured
Odor	: odorless
Ph (Value)	<b>c N/A</b>
Explosive Properties	: Not Explosive
Oxidising Properties	: Not Oxidising
Density	: 1.19
Solubility (Water)	: Insoluble
Solubility (Other)	: Soluble in most organic solvents, acetone and chlorinated hydrocarbons
Partition Coefficient	<b>c N/A</b>
Decomposition Temperature (°C)	: Will not decompose below 200 °C
Freezing Point (°C)	: N/A
Softening Point (°C)	: >100
Viscosity (mPa.s)	: solid

## 7. STABILITY AND REACTIVITY

Hazardous Reaction: Not Known

Hazardous Decomposition Product(s): Methyl methacrylate, traces of Acrolein.

## 8. TOXICOLOGICAL 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 be hazardous if swallowed.

#### Long Term Exposure

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

### 9. ECOLOGICAL INFORMATION

#### Toxicity

This product is predicted to have low toxicity to aquatic organism.

#### Persistence and Degradation

The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.

#### Environmental Fate and Distribution

Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product has low mobility in soil. Heavy metal based pigments will not leach from waste material.

### 10. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national 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.

### 11. TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

### 12. REGULATORY INFORMATION

Not Classified as Dangerous for Supply/Use.