

# Polycarbonate UV2 SDS

## 1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE MANUFACTURING COMPANY

- 1.1. Trade Name: **Polycarbonate UV2**
- 1.2. Use
- |                      |                                        |
|----------------------|----------------------------------------|
| Industrial field:    | civil and industrial building          |
| Type of application: | curtain element for walls and roofings |

## 2. HAZARDS IDENTIFICATION

To the best of our knowledge and at the condition of correct handling, the above material is considered not dangerous.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Polycarbonate and additives

## 4. FIRST AID MEASURES

- Inhalation: if powders, derived from circular saw cutting, are inhaled immediately breath in fresh air
- Skin contact: in case of skin contact with melted product medical attention is necessary.
- Eye Contact : in case of contact with powders derived from circular saw cutting, wash eyes with plenty of water.

## 5. FIRE-FIGHTING MEASURES

Suggested extinguishing measures: use of spray water, extinguishing powder, foam extinguisher, CO<sub>2</sub>, dry chemical powder

Personal protection: oxygen respirator and protective clothings are recommended

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: do not disperse sheets and their residuals (powder and splinters) in the environment .

Cleanup/collection: mechanical collection

## 7. HANDLING AND STORAGE

Handling: in case of mechanical processing, splinters' suction is required. Protective clothes and suitable gloves are recommended.

Storage: store in a protected area, far from heat and avoid exposure to direct sunlight .



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## 8. EXPOSURE/PERSONAL PROTECTION

Use protective equipment:

- respiratory protection: in case of manual and mechanical processing creating splinters, use protection equipments such as masks and suitable filters.
- hand protection: suitable gloves are recommended
- eyes protection: during all mechanical processes, safety glasses and/or welder's helmets are suggested.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	solid
Colour:	from transparent to opaque
Odour:	odourless
Melting point:	220 ÷ 230 °C
Softening point:	140 ÷ 160 °C
Density:	1,20 g/cm <sup>3</sup> at 20 °C
Specific heat:	from 1,15 to 1,2 kJ/kg K
Thermal expansion coefficient :	0,065 mm/m °C
Solubility:	insoluble
PH:	not applicable
Inflammability:	> 450 °C
Flash point:	> 450 °C
Explosion limit:	not applicable

## 10. STABILITY AND REACTIVITY

Thermal decomposition: decomposition temperature > 360 °C

Hazardous decomposition products: incomplete combustion leads to the formation of toxic gas mixture such as CO and CO<sub>2</sub> and traces of aliphatic and aromatic hydrocarbons, aldehydes, acids, phenol and derivatives.

Hazardous reactions: no hazardous reaction observed.

## 11. TOXICOLOGICAL INFORMATION

- Inhalation: dust and temperatures over decomposition temperature may cause respiratory tract irritation.
- Ingestion: n.a.
- Skin contact : not irritant.
- Eyes contact: dust and decomposition product may cause irritation .

## 12. ECOLOGICAL INFORMATION

Not dangerous

## 13. WASTE DISPOSAL

According to the present waste disposal laws, dispose in proper dumps.

## 14. TRANSPORT INFORMATION

This product is not subject to transport restriction and regulations.

Protect against impact and buckling.

## 15. REGULATORY INFORMATION

No labelling is required in accordance with the EEC directives.

## 16. OTHER INFORMATION

N.n.

