

# MATERIAL SAFETY DATA SHEET

## SAFEGUARD PC UVX



### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME : Safeguard UV PC Sheet, Safeguard FF PC, Safeguard RWC PC

OTHER NAMES : UV Protected Polycarbonate Sheet  
UV Poly Bisphenol - A Carbonate Sheet

COMPANY NAME : Dotmar EPP PTY

ADDRESS : 30-32 Garden Boulevard, Dingley VIC 3172

TELEPHONE NO. : +61 3 9552 4444

FAX NO. : +61 3 9552 4400

Emergency Phone No : 1800 170 001

### SECTION 2 HAZARDS IDENTIFICATION

Not hazardous according to the criteria of Worksafe Australia

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Poly Bisphenol - A Carbonate

### SECTION 4 FIRST AID MEASURES

#### Swallowed:

Do not induce vomiting. Wash out mouth with water. Obtain medical attention if ill effects occur.

#### Eye:

Remove particles by irrigation with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.

#### Skin:

Wash skin with soap and water. Molten material can cause severe burns. DO NOT try to peel molten polymer from the skin, cool rapidly with water. Obtain medical attention.

#### Inhaled:

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

#### Advice to Doctor

Symptomatic treatment and supportive therapy as indicated.

### SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:**

Water spray, foam, dry powder

**Hazards from Combustion Products:**

Combustible but not readily ignited.

**Hazardous decomposition products:**

May include intense heat, dense black smoke, Carbon Dioxide and hydrocarbon fragments.

**Special Fire Fighting Procedures:**

A self contained breathing apparatus and full protective clothing should be worn in fire conditions.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

UV PC sheet is considered to be non-hazardous.

### SECTION 7 HANDLING AND STORAGE

**Precautions for Safe Handling**

Handle sheet in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from the eyes, skin and clothing.

**Caution!**

Processing releases vapours or fumes which may cause eyes, skin and respiratory tract irritation. Molten material can cause thermal burns.

**Storage**

Keep sheets in a clean, cool, and dry area away from heat sources.

Natural ventilation is adequate.

Storage Temperature: Ambient.

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits**

No exposure standards have been established for this material by Worksafe Australia.

**Biological Limit Values**

Not applicable.

**Engineering Controls**

Provide adequate ventilation, including local extraction, to ensure that the defined occupational exposure limit is not exceeded. In general, ventilation should be provided at fabricating work stations involving heating of the sheet.

**Personal Protection**

**Respiratory Protection**

NORMAL HANDLING: Provide adequate ventilation.

**Eye**

Safety glasses with side shields.

**Skin Protection**

NORMAL HANDLING: Gloves not normally required.

THERMAL PROCESSING: Wear thermal insulation gloves when handling hot sheet.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**Physical Description / Properties**

<b>Appearance :</b>	Solid Sheet
<b>Boiling Point :</b>	Not Applicable
<b>Melting Point :</b>	Not Applicable
<b>Vapour Pressure :</b>	Not Applicable
<b>Specific Gravity :</b>	1.20
<b>Flash Point :</b>	Not Applicable
<b>Flammability Limits :</b>	Not Applicable
<b>Solubility in Water :</b>	Practically Insoluble
<b>Solubility in Organic Solvents :</b>	Not Applicable
<b>Softening Point :</b>	152°C to 157°C
<b>Flash Point :</b>	>450°C
<b>Auto Ignition Temperature :</b>	>450°C
<b>Decomposition Temperature :</b>	>380°C

**SECTION 10 STABILITY AND REACTIVITY**

**Chemical Stability**

Chemically stable.

**Incompatible Materials**

None known.

**Hazardous Decomposition Products**

Hazardous decomposition products: May include intense heat, dense black smoke, Carbon Dioxide and hydrocarbon fragments

**Hazardous Reactions**

No hazardous reactions are known.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Health Effects**

Low toxicity under normal conditions of handling and use.

**Inhalation**

Unlikely to be hazardous by inhalation.

**Skin Contact**

Unlikely to cause skin irritation

**Eye Contact**

May cause irritation by mechanical abrasion.

**Ingestion**

Low oral toxicity

**Long Term Exposure**

This material has been in use for many years with no evidence of adverse effects.

**SECTION 12 ECOLOGICAL INFORMATION**

**Ecotoxicity**

Material predicted to have low ecological toxicity.

**Persistence and Degradation**

There is no evidence of this material degrading in soil or water.

**Mobility**

This material is predicted to have low mobility in soil and water.

# MATERIAL SAFETY DATA SHEET

## SAFEGUARD PC UVX



### Environmental Fate

Solid with low volatility, insoluble in water and therefore predicted to have low toxicity to soil and aquatic organisms.

### Bioaccumulative Potential

This material has low potential for bioaccumulation.

## SECTION 13 DISPOSAL CONSIDERATIONS

### Disposal Methods

PC sheet is considered to be non-hazardous.  
Clean scrap may be reprocessed.

### Special Precautions for Landfill or Incineration

May be disposed of by landfill in accordance with local regulations.

### Effects on Effluent Treatment

The material is essentially insoluble in water and can therefore be separated from aqueous medium by sedimentation and filtration processes at an effluent treatment plant.

## SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous for transport.

## SECTION 15 REGULATORY INFORMATION

Not classified as dangerous for transport.

## SECTION 16 OTHER INFORMATION

Date of Preparation: 26 April 2006

Revision level: 0

First Issued in 26 April 2006

Prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets; second edition, NOHSC:2001(2003).