

MATERIAL SAFETY DATA SHEET



Access Plastics Ltd.
Unit 16 Ashbourne Ind Est.,
Ashbourne,
Co Meath.
A84 W972

Product: Polycarbonate
Date: 23/05/2017
Revision: 3

1. Product, Identification and Emergency Contact

- 1.1 Code :** P
- 1.2 Name :** All Polycarbonate sheet products
(Multiwall, Corrugated and Flat)
- 1.3 Supplier/Manufacturer :** Brett Martin Limited
24 Roughfort Road
Mallusk
Co. Antrim
Northern Ireland
BT36 4RB
- 1.4 Emergency Contact :** Telephone: +44 (0) 28 9084 9999

2. Composition

Polycarbonate based on bisphenol A (99.8%), Ultra-violet inhibitors (0.1% approx.)

3. Hazard Identification

3.1 Personnel

- Routes of Entry : Inhalation** When sawing, drilling or trimming dust is created which can cause irritation of the nose, throat and lungs.
These operations should be carried out in a well ventilated area.
(See Section 8)
- : Ingestion** Not applicable
- : Skin Contact** Like any foreign body, continued intimate contact with particles can cause slight irritation.
Good personal hygiene is necessary to ensure there is no build-up of dust and particles inside gloves, overalls etc.
- : Eye Contact** Any foreign body can cause irritation to the eye.
(See Section 8)

Major Health Effects : No significant hazard to health.

3.2 Environmental effects : No detrimental effects on the environment.

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4 First Aid Measures

- After Inhalation** : In case of fume inhalation, move subject to fresh air. Obtain medical attention if ill effects occur.
- After Ingestion** : Obtain medical attention if ill effects occur.
- After Skin Contact** : Wash affected area thoroughly with soap and water.
- After Eye Contact** : Flush eyes with large amounts of water to remove foreign body. Consult doctor if irritation persists.

5 Fire Fighting Measures

- 5.1 Suitable Extinguishing Media** : Water or Foam preferred.
- 5.2 Unsuitable Extinguishing Media** : None
- 5.3 Special Exposure Hazards** : Material will emit noxious fumes which may contain carbon monoxide, carbon dioxide and soot particles.
- 5.4 Special Protective Equipment** : Wear appropriate gloves and overalls as protection from molten plastic. Breathing equipment is advisable if fire occurs in an enclosed area.
- 5.5 Fire Rating** : Material has been tested and certified up to Class 1 rating when tested to BS476 Part 7. Can produce dense black smoke. Fire certificates relating to all classifications are available on request.

6 Accidental Release (Leaks/Spillages) Measures

- 6.1 Personal Precautions** : None required.
- 6.2 Environmental Precautions** : Do not dispose of waste material by burning.
- 6.3 Clean-up Method** : No special methods necessary, clean up mechanically.
- 6.4 Other Hazards** : None.

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7 Handling and Storage

- 7.1 Handling :** Wear protective gloves.
Caution when handling large sheets in windy conditions.
- 7.2 Storage :** Store flat on an even, level surface, supported at all points.

8 Exposure Controls/Personal Protection

- 8.1 Engineering measures :** Classed as a "Fragile material."
- Precautions should be taken as detailed in the UK Health and Safety Guidance (HSG) publications :- HSG 33 (Health and Safety in roof work).
- Threshold limit value : Not applicable.
- 8.2 Personal Protective Equipment**
- Respiratory protection : Dust mask should be worn when sawing, drilling or trimming material.
- Hand protection : Gloves should be worn when handling material to protect from sharp edges.
- Eye protection : Eye protection should be worn when sawing, drilling or trimming material.
- Skin protection : If dust is produced cover skin where possible.
- 8.3 Specific Hygiene Measures**
- Like any foreign body continued intimate contact with particles can cause irritation.
Good personal hygiene is necessary to ensure there is no build- up of dust and particles inside gloves, overalls etc.
- 8.4 Further information :** In case of fire noxious fumes are emitted (See Section 5).

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9 Physical and Chemical Properties

Appearance	:	Solid clear or tinted, translucent plastic on multiwall, corrugated or flat sheet.
Odour	:	Odourless
Softening point	:	150 – 160 °C
Melting point	:	220 – 230 °C
Flash point	:	> 450 °C
Ignition temperature	:	> 450 °C
Spontaneous combustion	:	Not applicable
Density ((p 20°C)	:	Approx 1.2 g/cm ³ at 20 °C
Vapour Pressure ((9 20°C)	:	Not applicable
Viscosity ((~20°C)	:	Not applicable
Solubility [water] ((~ 20°C)	:	Insoluble
Explosion limit (lower)	:	Not applicable
Explosion limit (upper)	:	Not applicable
Any other pertinent	:	None

10 Stability and Reactivity

Stability :	Stable under normal use. Will burn.
Conditions to Avoid :	Temperatures over 150°C, open flame.
Materials to Avoid :	Concentrated Acids, Alkalis, Aromatic Hydrocarbons, Halogenated Hydrocarbons, Oxidising Agents, Ketones.
Hazardous Decomposition Products :	Thermal decomposition begins at approx. 380°C. Smouldering & incomplete combustion may cause toxic fumes.

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11 Toxicological Information

Acute effects	:	None
Primary Irritation	:	Intimate contact with particles can cause irritation
Sensitisation	:	None
Chronic effects	:	None
Route(s) of entry	:	None
Further Information	:	Under recommended processing conditions small amounts of water, carbon dioxide, chlorobenzene, diphenylcarbonate, phenol and substituted phenols may be emitted but the OELs should not be exceeded.

12 Ecological Information

Comments :	Non hazardous in water Non-toxic solid
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13 Waste Disposal

13.1 Product :	Suitable for mechanical recycling. Can be reprocessed. May be discharged or incinerated along with domestic waste if local regulations are observed.
13.2 Contaminated Packaging :	Not applicable

14 Transport

Not a dangerous cargo. Keep dry. Transport on a flat bed vehicle, preferably with closed sides. Otherwise cover with tarpaulin or net and rope securely.

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15 Regulations

Labelling :	No labelling required for this material by CHIP and corresponding EC directives.
Other :	Where dusts are formed as a result of mechanical processing (grinding, sawing etc.) the appropriate regulation for fine dusts should be observed.

16 Additional Information

The details listed above are confidential. They are based on our present state of knowledge and are relevant to the product with regard to any likely safety requirements. They do not give any warranty or assurance.