

Material Safety Data Sheet

1. Product and company information

Product: Rigid PVC Sheets and Multi-Panels

Supplier: Be-Plas Hygienic Walls and Ceilings Ltd,
Unit 2 Junction 8 Business Park,
Ellesmere Port,
Wirral,
CH65 3AS

Telephone: 0151 356 5727

2. Composition / Information on ingredients

Tin stabilised rigid PVC sheets. 2.5% Tin-mercaptide based stabiliser. Pigments and additives used to enhance specific properties are encapsulated in the polymer resin matrix. No solvents. No plasticisers. No cadmium, lead, or other heavy metal pigments or stabilisers used.

3. Hazards identification

No particular hazards known.

4. First aid measures

In general handling the material will not cause accidents.

Inhalation: If exposed to combustion fumes in high concentration - bring victim to fresh air. Seek medical attention.

Skin contact: Burns resulting from accidental contact with molten material must be flushed immediately with cold water. Do not remove the polymer from the skin. Seek medical attention.

Eye Contact: Like any foreign body, can cause mechanical irritation. Consult physician.

5. Fire fighting measures

Positive pressure self-contained breathing apparatus should be used. Personnel without suitable respiratory apparatus should leave the affected area to prevent exposure to toxic or combustible gases.

Suitable extinguishing media: Water

Extinguishing media which must not be used for safety reasons: CO₂ is not recommended due to the lack of cooling capacity

PVC is a self extinguishing fire retardant material. When exposed to open fire and high temperatures it will decompose emitting large quantities of HCl that will tend to extinguish the flames. HCl has a strong acidic odour that causes sensory alert at very low concentrations. For HCl odour threshold = 0.77 ppm. Exposure to high concentrations of HCl will cause irritation of the respiratory passages and at very high concentrations may cause burns to mucous membranes.

Soot emitted when PVC is forced to burn may obscure visibility.

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6. Accidental release measures

Not applicable.

7. Handling and storage

Store in a cool shady area. No special technical protective measures required. No explosion hazard.
In the event of fire, cool and overlap product with water.

8. Exposure controls / personal protection

No special precautions.

9. Physical and chemical properties

1. Appearance:	Solid sheets
2. Odour:	None
3. Colour:	Clear or coloured
4. Density:	1.35 - 1.40 g/cm ³
5. Flash point:	>400C ASTM D
6. Evaporation rate (butyl acetate):	N/A
7. Percentage volatility by volume %:	N/A
8. Explosion limits:	None
9. Solubility in water % by weight:	Insoluble
10. Boiling point, 760 Hg:	N/A
11. Viscosity:	N/A
12. pH value:	N/A

10. Stability and reactivity

1. Hazardous polymerization:	Will not occur.
2. Incompatibility (materials to be avoided):	Oxidising agents can cause reaction.
3. Thermal decomposition:	Begins above 200C caused by fire, overheating during improper processing. Fumes damaging to health may be released.
4. Conditions to avoid:	Open flame.
5. Hazardous decomposition products to be released:	CO, HCl.
6. Hazardous reactions:	None.

11. Toxological information

No known toxological effects with normal use. For heating see section 10.

12. Ecological information

According to present knowledge no unfavourable ecological effects are to be expected.
Not generally hazardous to water. Insoluble in water, non-toxic solid.

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13. Disposal considerations

This product is not regarded as hazardous waste. Can be recycled. Can be incinerated or disposed of in accordance with local regulations. This product does not contain any Cadmium or other heavy metal pigments or stabilisers.

14. Transport information

Classified as a non-hazardous material in the meaning of transport regulations.

15. Regulatory information

No labelling is required in accordance with the EU directives. With regards to dust formed as a consequence of mechanical treatments, the appropriate regulations

value limits for fine dust must be observed: MAC value (fine dust) - 5mg/m³.

16. Other information

All the above information is based on current knowledge and denotes Be-plas' products in reference to safety regulations. The data does not signify any warranty in regard to the product properties.