

MATERIAL SAFETY DATA SHEET

ISSUE: 1st April 2019

1. PRODUCT AND COMPANY INFORMATION

PRODUCT: Rigid SPC Sheets & Profiles

COMPANY NAME: DHABRIYA POLYWOOD LTD (www.polywood.org)

2. COMPOSITION / INFORMATION OF INGREDIENTS

Major components are stone dust having 90-98% Calcium Carbonate content, PVC resin as binder and additives like heat stabilizers, pigments and lubricants which are encapsulated in the polymer resin matrix to enhance specific properties. No solvents. No plasticizers. Volatile organic content (VOC) free.

3. HAZARDS IDENTIFICATIONS

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, if irritation persists, 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

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.

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

Suitable extinguishing media: WATER

Extinguishing media which should not be used for safety reason: CO₂ is not recommended due to the lack of cooling capacity.

6. ACCIDENTAL RELEASE MEASURES

Not applicable.

7. HANDLING & STORAGE

Store in a cool shady area. No special technical protective measures required.
No explosion hazards. 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/profiles
2. Odour: None
3. Colour: Coloured
4. Density: 2.09 g/cm³
5. Flash point: N/A
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: 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 200°C 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.

12. ECOLOGICAL INFORMATION

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

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.

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 Ministry of Commerce, India 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 DSTONA[™] products in reference to safety regulations. The data does not signify any warranty in regard to the product properties.