



## Material Safety Data Sheet

Date: 26/11/2012

Product :

PMA74

Doc :MSDS-PMA74 Rev B

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product name: PMA74  
Product type: Aluminium sheet with PET reinforcement with an adhesive of butyl rubbers, hydrocarbon resins and additives. PET on top.  
Supplier: **Carlisle Hardcast Europe b.v.**  
Address: Bloemendalerweg 25-33 P.O. Box 299  
1380 KB 1380 AG  
Weesp / The Netherlands E-mail [sales@hardcast.nl](mailto:sales@hardcast.nl)  
Telephone number: +31 (0)294 414155 Telefax:+31 (0)294 418655  
Emergency telephone number: +31 (0)294 414155

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous components/constituents:

| Composition          | Symbols | R-phrases |
|----------------------|---------|-----------|
| Butyl rubbers        | --      | --        |
| Hydrocarbon resins   | --      | --        |
| Mineral oil          | --      | --        |
| additives            | --      | --        |
| Aluminium / PET foil | --      | --        |

### 3. HAZARD IDENTIFICATION

Human Health Hazards: Under normal industrial conditions, there is no indication that the product can be considered as a health risk.

### 4. FIRST AID MEASURE

Symptoms and effects: Due to concentration, ingestion, skin contact, or inhalation of sufficient quantities to induce symptoms unlikely.

First aid - inhalation: Inhalation of sufficient quantities to induce symptoms unlikely.

First aid - skin: Thoroughly wash exposed area with soap and water, get medical attention if reaction develops and irritation persists.

First aid - eye: May cause eye irritation if wiped or rubbed in to eyes; seek medical attention if irritation persists.

First aid - ingestion: Ingestion of sufficient quantities to induce symptoms unlikely. Apply for medical advice do not induce vomiting.

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## 5. FIRE FIGHTING MEASURES

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|-----------------------------------|--|
| Extinguishing media:              | Water, Foam, dry powder to extinguish.   |
| Unsuitable extinguishing media:   | No limitation known.   |
| Dangerous decomposition products: | Combustion may Yield normal by-products : CO, CO <sub>2</sub> , various hydrocarbons and phenols may be released in a fire.. To prevent environmental damage, if possible collect water used to extinguish the fire in basins. |
| Protective equipment:             | Follow normal fire fighting procedures. Fire-fighters should wear self contained breathing apparatus, especially in enclosed areas.  |

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## 6. ACCIDENTAL RELEASE MEASURES

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|---------------------------------------|--|
| Personal precautions:                 | No special precautions required.   |
| Environmental precautions:            | No special precautions required.   |
| Clean-up methods<br>- Small spillage: | Collect into container and dispose in accordance with local regulations. |
| Clean-up methods<br>- Large spillage: | Collect into container and dispose in accordance with local regulations. |

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## 7. HANDLING AND STORAGE

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|-----------|--|
| Handling: | No special precautions required, good industrial and personal hygiene practice should be followed. No eating, drinking and smoking in the workplace. |
| Storage:  | Store between +5 °C and + 30 °C. Store dry in the original packaging.  |

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|-------------------------------|--|
| Engineering control measures: | No special precautions required, good industrial and personal hygiene practice should be followed. No eating, drinking and smoking in the workplace.<br><br>Use the best available methods of handling for our products whereby the employees enjoy the maximum safety and whereby the environment is minimally taxed. |
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|------------------------|
| Physical state +20°C:                     | Solid                  |
| Form:                                     | Solid, tape            |
| Odour:                                    | Characteristic         |
| Colour:                                   | Aluminium coloured     |
| Relative density:                         | 1.30 g/cm <sup>3</sup> |
| Viscosity:                                | Not applicable         |
| Boiling point / range:                    | Not applicable         |
| Melting point/range:                      | Not established        |
| Flash point:                              | Not established        |
| Flammability:                             | Not established        |
| Auto ignition temp.:                      | > 200°C                |
| Explosion properties:                     | Not applicable         |
| Vapour density:                           | Not applicable         |
| Vapour pressure:                          | Not applicable         |
| Solubility in water:                      | Not soluble            |
| Solubility in solvents:                   | Soluble                |
| pH:                                       | Not applicable         |
| Partition coefficient<br>n-octanol/water: | Not established        |

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## 10. STABILITY/REACTIVITY

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|--------------------------------------|---|
| Stability:                           | Stable under recommended storage conditions.  |
| Conditions to avoid:                 | Open flames.  |
| Materials to avoid:                  | No materials to avoid.  |
| Hazardous decomposition<br>products: | Combustion may Yield normal by-products : CO, CO <sub>2</sub> , various hydrocarbons and phenols may be released in a fire. To prevent environmental damage, if possible collect water used to extinguish the fire in basins. |

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## 11. TOXICOLOGICAL INFORMATION

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| Basis for assessment: | Low toxicity is indicated by available data.<br>Under normal industrial conditions, there is no indication that the product can be considered as a health risk. |
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## 12. ECOLOGICAL INFORMATION

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|----------------------------|---|
| Mobility:                  | Not mobile.   |
| Persistence/degradability: | Product is hardly degradable.                       |
| Bioaccumulation:           | There is seemingly no tendency for bioaccumulation. |
| Ecotoxicity:               | Product is not toxic.                               |

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### 13. DISPOSAL CONSIDERATIONS

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|-------------------|--|
| Waste disposal:   | All product disposals should comply with local, national or EEC regulations. |
| Product disposal: | All product disposals should comply with local, national or EEC regulations. |

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### 14. TRANSPORT INFORMATION

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|  |   |
|--|---|
| Transport road and rail<br>UN Number ADR/RID<br>Correct technical name ADR/RID<br>ADR/RDI Class<br>Packaging group | The product is not classified as dangerous for transport. |
| Transport air<br>UN number ICAO<br>Proper shipping name<br>ICAO Class  | The product is not classified as dangerous for transport. |
| Transport sea<br>UN Number IMO<br>Proper shipping name<br>IMDG Class<br>Packing Group                              | The product is not classified as dangerous for transport. |

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### 15. REGULATORY INFORMATION

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|                    |                 |
|--------------------|-----------------|
| EU Classification: | Not applicable. |
| EU Symbols:        | Not applicable. |
| EU Risk phrases.   | Not applicable. |
| EU Safety phrases. | Not applicable. |

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## 16. OTHER INFORMATION

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### Disclaimer:

#### Disclaimer:

This Material Safety Data sheet conforms to EEC Directive 2001/58/EEC.

The information given here is to the best of our knowledge true and accurate. As our company has no indication of the application and conditions where our products are used, the user must take the necessary precautions to guarantee safety and the environment. No responsibility can arise or be derived from this document, neither can any guarantee or warranty be given for results in the end use. It is the responsibility of the user to ensure that during handling, storage and use of the product all regulations to protection of man and environment are observed.

This sheet is not a sales specification or an indication of suitability for a particular use.

This material Safety Data Sheet will replace all previous versions.