# MouldeX® MOULDINGS

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** MouldeX® Mouldings
**Product Code(s):** Various
**Product Use:** MouldeX® Mouldings are manufactured in many shapes and sizes; they are used for façade decoration of buildings, fences and other structures.
**Manufacturer:** Prestige Wall Systems Pty Ltd
**ABN:** 97 157 346 486
**Street Address:** 24 Humphries Street, Kilkenny SA 5009, Australia
4/1764 Sydney Road Campbellwell VIC 3061, Australia
**Emergency Phone:** 03 9357 6659
**Phone:** 1300 663 118
**Fax:** 1300 676 233

## 2. HAZARDS IDENTIFICATION

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| **Emergency Overview:** | Not classified as hazardous, according to the criteria of Safe Work Australia. |
| | Not classified as dangerous goods, according to the ADG Code. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

MouldeX® Mouldings consist of a flame retardant modified EPS (Expanded Polystyrene) core, factory coated with a polymer modified cement render, reinforced with alkali resistant fibreglass mesh. Ingredients:

| EPS Components | CAS Number | %wt. |
|---|---|---|
| Pentane | 109-66-0 | <1.0 |
| Brominated Hydrocarbon Flame Retardant | 3194-55-6 | <0.5 |
| Polystyrene | 9003-53-6 | <50 |

| Render Components | CAS Number | %wt. |
|---|---|---|
| Sand | 14808-60-7 | 50-70 |
| Cement | 65997-15-1 | 5-60 |
| Hydrated Lime | 1305-62-0 | 0-20 |
| Polymer | 9036-19-5 | 5-20 |

| Fibreglass Mesh | %wt. |
|---|---|
| | 3-8 |

## 4. FIRST AID MEASURES

Description of symptoms and necessary first aid measures caused by exposure:

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| **Inhalation** | Dust from high-speed mechanical cutting and fumes from 'melting' of EPS may cause upper respiratory irritation. Remove to fresh air; if breathing difficulties continue, seek medical advice. |
| **Skin Contact** | Potential for skin irritation from cementitious products. Dust or particles on skin should be removed by washing with soap and water. |
| **Eye Contact** | Dust or particles may cause mechanical eye irritation; fumes may also cause irritation. Rinse eyes with clean water; if irritation persists, seek medical advice. |
| **Ingestion** | No ingestion hazards, as biologically inert. |

**Medical attention and special treatment:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Despite the presence of a flame retardant modifier EPS products are combustible, and will soften and melt when overheated or ignited. When flame retardant modified EPS is exposed directly to a fire source the retardant decomposition products cause flame quenching, so the EPS will not continue to burn when the fire source is removed.

The polymer modified cementitious render is not combustible.

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| **Suitable extinguishing equipment:** | Use water fog, carbon dioxide, dry chemical or foam media. |
| **Specific hazards arising from the product:** | Molten EPS may drip, causing fire to spread. Incomplete combustion products cause dense, black smoke, which consists of carbon monoxide, carbon dioxide, styrene and trace amounts of other hydrocarbons. |
| **Special protective equipment and precautions for fire fighters:** | Use self-contained breathing apparatus and suitable protective clothing, if there is a risk of exposure to smoke or other products of combustion. Decontamination of used PPE is recommended. |

## 6. ACCIDENTAL RELEASE MEASURES

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| **Personal precautions, protective equipment and emergency procedures:** | Nil |
| **Environmental precautions:** | Nil |
| **Methods and materials for containment and cleaning up:** | Wear appropriate PPE when cleaning up off-cuts and collect waste in a suitable container. |

## 7. HANDLING AND STORAGE

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| **Precautions for safe handling:** | MouldeX® Mouldings are not classified as dangerous goods or hazardous for storage, handling and transport. It is recommended that the product be secured with protectors to avoid damage and accidental loss during transport.<br>Care should also be taken when manually handling the product in windy, or potentially windy conditions. |
| **Conditions for safe storage and any incompatabilities:** | Only store on-site quantities that will be installed within a few days, as prolonged exposure to direct sunlight may affect the integrity of the EPS. Furthermore, store the MouldeX® Mouldings away from ponding water and limit exposure to rain or high moisture conditions.<br>Do not store MouldeX® Mouldings near solvents, or where hot-work, naked flames and sparks will likely be produced. |

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| **Control parameters - exposure standards and biological monitoring:** | Nil. |
| **Personal protective equipment (PPE):** | It is recommended that safety glasses, dust repirator and protective gloves be work when cutting or sanding. |
| **Hygiene:** | Always wash hands with soap and water before eating, drinking, smoking and using the toilet. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| **Appearance:** | Various widths and shapes; up to 2.4m in length. |
| **Bulk Density:** | 100-150 kg/m$^3$ |
| **% volatiles** | 0% |
| **Softening temp:** | ~80°C (EPS) |
| **Melting point:** | 220-250°C (EPS) |
| **Flash point:** | 358°C (EPS) |
| **Auto-ignition temp:** | 471°C (EPS) |

## 10. STABILITY AND REACTIVITY

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| **Reactivity:** | Non-reactive. |
| **Chemical stability:** | Stable at ambient temperatures. |
| **Conditions to avoid:** | Avoid contact with organic solvents, some insecticides and prolonged exposure to sunlight. |
| **Thermal decomposition:** | No decomposition if used in ambient conditions. |
| **Hazardous reactions:** | Nil, when the product is stored and handled in accordance with this SDS. |

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected when the product is handled in accordance with this SDS.

## 12. ECOLOGICAL INFORMATION

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| **Persistence and degradability:** | All components of MouldeX® Mouldings are not biodegradable and therefore correct containment, collection and disposal of waste is critical. |
| **Other adverse effects:** | As MouldeX® Mouldings are a lightweight product, wind dispersion is a risk which needs to be managed. |

## 13. DISPOSAL CONSIDERATIONS

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| **Safe handling of waste:** | Wear appropriate PPE when cleaning up off-cuts and collect waste in a suitable container. |
| **Disposal methods:** | Dump wate or incinerate in accordance with local or State authority requirements. |

## 14. TRANSPORTATION INFORMATION

MouldeX® Mouldings are not classified as dangerous goods according to the criteria of the relevant road, rail, maritime and air transport regulations and codes.

## 15. REGULATORY INFORMATION

MouldeX® Mouldings are non-hazardous and are not listed in the Poisons Schedule.

## 16. ANY OTHER RELEVANT INFORMATION

This SDS has been prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals, published on 22 April 2016, by Safe Work Australia.

**Date amended:** 7-Sep-16

**Key abbreviations:**

| | |
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| **ADG Code** | Australian Code for Transport of Dangerous Goods |
| **CAS** | Chemical Abstracts Service |
| **EPS** | Expanded Polystyrene |
| **PWS** | Prestige Wall Systems Pty Ltd |
| **SDS** | Safety Data Sheet |

**Disclaimer:** The information contained herein relates only to the specified product/ materials and is provided as a general reference. PWS believes the data set-forth here in is accurate as at the date of the SDS and is given in good faith. PWS makes no guarantee or warranty and does not assume any liability with respect to the accuracy or completion of such information.