

ARCHITECTURAL MOULDINGS

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Dekopro Mouldings

Product Code(s): Various

Product Use: Dekopro Mouldings are manufactured in many shapes and sizes; they are used for façade decoration of buildings, fences and other structures.

Manufacturer: Velmark Pty Ltd

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2. HAZARD IDENTIFICATION

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

Dekopro Mouldings consist of a flame retardant modified EPS (Expanded Polystyrene) core, factory coated with a polymer modified cement render. 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

4. FIRST AID MEASURES

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

Inhalation	Upper respiratory irritation may occur due to dust from high-speed mechanical cutting and fumes from 'melting' of EPS. Move to fresh air; if breathing difficulties continue, seek medical advice.
Skin Contact	Cementitious products can cause potential skin irritation. If this does occur, remove dust or particles on skin by washing with soap and water.
Eye Contact	Mechanical eye irritation may occur due to dust, particles or fumes. Use clean water to rinse eyes; if irritation continues, seek medical advice.
Ingestion	No ingestion hazards, as biologically inert.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

EPS products are combustible, despite the presence of a flame retardant modifier, and will soften and melt if ignited or overheated. 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.

Suitable equipment for extinguishing	Use water fog, carbon dioxide, dry chemical or foam media.
Specific hazards arising from the product:	Molten EPS may cause fire to spread if it drips. Dense, black smoke can be the cause of incomplete combustion. This smoke consists of carbon dioxide, carbon monoxide, styrene and trace amounts of other hydrocarbons
Special protective equipment and precautions for fire fighters:	If there is a risk of exposure to smoke or other products of combustion, use suitable protective clothing and self-contained breathing apparatus. It is recommended to decontaminate used PPE.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Nil
Environmental precautions:	Nil
Methods and materials for containment and cleaning up:	When cleaning up off-cuts, wear appropriate PPE. When collecting waste, use a suitable container.

7. HANDLING AND STORAGE

Precautions for safe handling:	The mouldings by Dekopro are not classified as dangerous goods or hazardous for storage, handling and transport. To avoid damage and accidental loss during transport, ensuring that the product is secured with protectors is recommended. When manually handling the product in windy, or potentially windy conditions, care should be taken.
Conditions for safe storage and any incompatibilities:	The integrity of the EPS may be affected if there is prolonged exposure to sunlight, therefore only on-site quantities will be installed within a few days. The Dekopro mouldings should be stored away from ponding water, and exposure to rain or high moisture conditions should be limited. Dekopro mouldings should not be stored near where hot-work, naked flames and sparks are likely to be produced, or solvents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters - exposure standards and biological monitoring:	Nil.
Personal protective equipment (PPE):	When cutting or sanding, it is recommended for safety glasses, dust respirators and protective gloves to be worn.
Hygiene:	Before eating, drinking, smoking and using the toilet, always wash hands with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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

11. TOXICOLOGICAL INFORMATION

When the product is handled in accordance with this TDS, there are no adverse health effects expected.

12. ECOLOGICAL INFORMATION

Persistence and degradability:	Correct containment, collection and disposal of waste is critical as all components of Dekopro mouldings are not biodegradable.
Other adverse effects:	Management of wind dispersion is important as Dekopro mouldings are a lightweight product.

13. DISPOSAL CONSIDERATIONS

Safe handling of waste:	When cleaning up off-cuts, ensure appropriate PPE is being worn. A suitable container is to be used when collecting waste.
Disposal methods:	Dump waste or incinerate in accordance with local or State authority requirements.

14. TRANSPORTATION INFORMATION

Dekopro 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

Dekopro mouldings are non-hazardous and are not listed in the Poisons Schedule.

16. ANY OTHER RELEVANT INFORMATION

This TDS 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:

ADG Code	Australian Code for Transport of Dangerous Goods
CAS	Chemical Abstracts Service
EPS	Expanded Polystyrene
TDS	Technical Data Sheet

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