

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 17.08.2016

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Polastic Insulation System

Recommended Use of the Chemical and Restriction on Use:

Insulation used to regulate heat and cold, typically in the residential and commercial industries.

Details of Manufacturer or Importer:

Australian Insulation Manufacturers Group Pty Ltd

PO Box 4242

Castlecrag NSW 2068

Phone Number: 02 9435 4144

Emergency telephone number: 0414 273 891

2 . HAZARDS IDENTIFICATION

Hazardous Nature: The product is not classified according to the Globally Harmonized System (GHS).

Label Elements

Signal Word Void

Hazard Statements Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Hazardous Components:

9003-53-6	Polystyrene	98%
	Laminate	2%

Additional information:

Expanded polystyrene post manufacture does not contain any detectable Volatile Organic Compounds (VOC). Pentane, the blowing agent, and styrene which are products derived from petroleum are VOC's and are present at a rate of 6% by weight prior to the manufacture process. The blowing agent is used up in the manufacturing process and after adequate ageing, emission of VOC's into the atmosphere can no longer be detected, as a study on insulated styrene panels installed in inhabited rooms has revealed. Thus the VOC content of finished styrene product is 0.

4 . FIRST AID MEASURES

Inhalation: No adverse effects anticipated by this route of exposure.

Skin Contact: No adverse effects anticipated by this route of exposure.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion: Ingestion is unlikely due to physical state of product.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, foam, carbon dioxide and dry chemical powder.

Specific Hazards Arising from the Chemical:

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Polystyrene products are combustible and will melt when ignited releasing toxic vapours.

Laminate will burn in a fire.

The Polastic Insulation System contains a fire retardant (in the polystyrene) and is self extinguishable i.e. stops burning when removed from and open fire.

The Polastic Insulation System shows no electrical conductivity under dry or wet conditions.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours or dust. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Pick up large pieces. Dispose promptly according to applicable local and state government regulations.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye and inhalation if further processing involves sanding, sawing or hot wire cutting.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Observe good personal hygiene, always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

The product is combustible. Store product at job site in minimum quantity needed and protect from sparks, open flames and other sources of ignition.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia):

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

Local exhaust ventilation is not normally required.

Hot wire cutting may require local exhaust ventilation to capture fumes and vapours emitted.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Special protection is not normally required. If further processing involves sanding, sawing or hot wire cutting, use a Safe Work Australia approved a dust mask (Type P1 filter) or an approved respirator.

See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection: Special protection is not normally required.

Eye and Face Protection:

Special protection is not normally required. If further processing involves sanding or sawing use safety glasses with top and side shields. See Australian Standards AS 1336 and AS/NZS 1337 for more information.

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9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Plastic laminate sheet
Colour:	White, coloured or metalized
Odour:	May have slight odour when newly made.
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	Not applicable
Auto-ignition Temperature:	>316 °C (laminate)
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure at 20 °C:	64 kPa
Relative Density:	<1 (floats on water)
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
VOC:	0 %

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Sources of ignition and excess heat.

Incompatible Materials: Strong oxidising agents, petroleum based products.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, nitrogen oxides and small quantities of irritating substances such as aldehydes, ketones, alcohols and organic acids.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

Acute Health Effects

Inhalation:

Dust from sanding or sawing may cause mild irritation to the upper respiratory tract. Hot wire cutting may generate fumes which are irritating to the upper respiratory tract.

Skin: No adverse effects anticipated.

Eye: Dust from sanding or cutting may be a mechanical eye irritant.

Ingestion:

Ingestion is unlikely due to physical state of product. No adverse effects anticipated by this route of exposure.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

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Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No data available on finished product.

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:

Dispose according to applicable local and state government regulations. Australian Insulation Manufacturers Group offers a Take Back Recycling facility.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number
ADG, IMDG, IATA Not applicable

Proper Shipping Name
ADG, IMDG, IATA Not applicable

Dangerous Goods Class
ADG Class: Not applicable

Packing Group:
ADG, IMDG, IATA Not applicable

Hazchem Code: Not applicable

Special Provisions: Not applicable

Limited Quantities: Not applicable

Packagings & IBCs - Packing Instruction: Not applicable

Packagings & IBCs - Special Packing Provisions: Not applicable

Portable Tanks & Bulk Containers - Instructions: Not applicable

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Portable Tanks & Bulk Containers - Special Provisions:

Not applicable

15 . REGULATORY INFORMATION**Australian Inventory of Chemical Substances:**

9003-53-6 Polystyrene

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
None of the ingredients is listed.**16 . OTHER INFORMATION****Creation Date:** 17.08.2016**Last Revision of MSDS:** Rev 1.0 (12/01/2012)**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Australian Insulation Manufacturers Group makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.