



Kingspan GreenGuard[®] GG300, GG500

Safety Data Sheet

1. Identification of the Material and Supplier

1.1 Product identifier

Product name:

Kingspan GreenGuard[®]

Synonyms:

Kingspan GreenGuard[®] GG300

Kingspan GreenGuard[®] GG500

1.2 Uses and uses advised against

Uses:

Insulation

1.3 Details of the supplier of the product

Supplier name: Kingspan Insulation Pty Ltd.

Address: 25 Oherns Road, Somerton,
VIC, 3062, Australia.

Telephone: 1300 247 235

Fax: 1300 247 329

Email: technical.au@kingspan.com

Website: www.kingspaninsulation.com.au

1.4 Emergency telephone numbers

Emergency: 1300 247 235

2. Hazard Identification

2.1 Classification of the substance or mixture

Not classified as hazardous according to GHS.

2.2 Label elements

No hazard classifications.

2.3 Other hazards

Board Product does not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as cutting, sawing or machining which result in the generation of airborne particulate.

3. Composition/Information on Ingredients

3.1 Substances / mixtures

Chemical Name	Case Number	% Weight Range
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No hazardous ingredients by OSHA and WHMIS criteria.

4. First Aid Measures

4.1 Description of first aid measures

Eye	If particles contact the eyes, rinse cautiously with water while holding the eyelids open. If irritation persists obtain medical attention. Do not attempt to manually remove anything stuck to the eye.
Inhalation	If symptoms are experienced, remove source of contamination or have person move to fresh air. Apply artificial respiration if not breathing.
Skin	If irritation does occur, wash with plenty of water. If irritation persists, obtain medical advice.
Ingestion	Not acutely toxic if swallowed. For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

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4.2 Most important symptoms and effects, both acute and delayed

High concentrations of dust may cause coughing and mild, temporary irritation following a short-term exposure. Heavy prolonged industrial exposure to high airborne concentrations of dust may cause impaired lung function. Chronic bronchitis, pulmonary fibrosis and respiratory tract lesions have also been reported with high level inhaled dust exposures.

5. Fire Fighting Measures

5.1 Extinguishing media

Use water spray, foam, carbon dioxide, dry chemical, or other extinguishing media appropriate for the surrounding fire. Water or foam may cause frothing. Use water to keep fire-exposed material cool.

5.2 Special hazards arising from the substance or mixture

Not flammable. Product can burn if involved in a fire. During a fire, combustion can generate toxic fumes which may include resin fragments, smoke, carbon monoxide and carbon dioxide, acrolein, halogens, acids, ketones and aldehydes. Well-established fires are difficult to bring under control.

5.3 Advice for firefighters

As for any fire, evacuate the area and fight the fire from a safe distance. Wear a pressure-demand, self-contained breathing apparatus and full protective gear. Fight fire from a protected location or a safe distance. Prevent water runoff from fire control from entering natural waterways, sewers and drinking water supplies.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

It is good practice to prevent release of this product into the environment.

6.3 Methods and material for containment and cleaning up

Sweep, scoop or vacuum product for recovery, recycling or disposal.

7. Handling and Storage

7.1 Precautions for safe handling

During cutting machine operations, avoid contact with eyes and skin. Wear protective gloves.

Avoid breathing dusts. Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs.

Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

8. Exposure Controls / Personal Protection

8.1 Exposure controls

Exposure controls Consult local authorities for acceptable exposure limits. No recognized exposure limits for airborne chemical substances from this solid article.

Engineering controls Provide good general ventilation or local exhaust ventilation when necessary to control dust concentrations below exposure limits.

PPE Follow the directions for personal protective equipment for the worksite. Appropriate protective footwear is recommended when handling large boards.

Eye / Face Wear safety glasses or goggles for all cutting operations.

Hands Not required under normal conditions of use.

Inhalation When dust concentrations in air exceed the occupational exposure guidelines, wear an approved particulate respirator equipped with an N95, R95 or P95 filter.

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9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Solid; extruded polystyrene Insulation Board Green colour*
Odour	Odourless
Odour threshold	Not applicable
pH	Not applicable
Melting point	> 93°C (200°F)
Initial boiling point and boiling range	Not applicable
Evaporation rate	Not applicable
Flash point	Not applicable
Upper/lower flammability or explosive limits	Not determined
Explosive properties	Not applicable
Oxidising properties	Not applicable
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	0.07 (water = 1)
Solubility	Insoluble in water
Partition coefficient (n-octane / water)	Not applicable
Decomposition temperature	Not available
VOC content	Not available
Viscosity	Not applicable

* There will be a colour variation between batches. The colour variation does not affect the performance of the product. The variation is due to at least 50% recycled resin materials being used in the product.

10. Stability and Reactivity

10.1 Reactivity

Not classified for reactivity hazards.

10.2 Chemical stability

Stable at normal ambient and anticipated storage and handling conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Do not use in conditions of extreme heat or near open flames.

10.5 Incompatible materials

Strong oxidisers, aromatic and chlorinated hydrocarbons.

10.6 Hazardous decomposition products

Thermal decomposition and incomplete combustion can produce toxic fumes containing the following: acids, acrolein, aldehydes, halogens, ketones, monomers, possible hydrocarbons, carbon monoxide and carbon dioxide.

11. Toxicological Information

11.1 Information on toxicological effects

Acute health Acute toxicity data are not available for this article.

Irritation Worker experience with this material indicates the product is non-irritating. Animal test data indicates the material is non-irritating. Dusts of this product may cause mild, temporary skin irritation by mechanical abrasion. Dusts may cause temporary irritation as a foreign objection in the eye.

Chronic health None known

Sensitisation None known

Neurological None known

Genetic None known

Reproductive Data not available

Target organ None known

Medical conditions aggravated by exposure None known

Interactions with other chemicals Tobacco smoking in combination with long-term high dust exposures may increase both smoking and dust-related pulmonary health problems.

12. Ecological Information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

This product is not readily bio-degradable. Plastic components will photodegrade with prolonged exposures to UV light (e.g. sunlight). Product is treated with a flame retardant substance which is known to be persistent, bioaccumulative and toxic in the aquatic environment. Prevent releases to the environment and ensure proper disposal.

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12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

13. Disposal Considerations

13.1 Waste treatment methods

Where facilities exist, the product and packaging can be recycled. Dispose in accordance with local regulations. Proper incineration in state-of-the-art incinerators equipped with after-burners, yields carbon dioxide and water. Polymer materials may not decompose in modern sanitary landfills. Materials may be recycled where adequate collection and recycling facilities exist.

14. Transport Information

14.1 UN Number	Not regulated as a dangerous good for transport.
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14.2 Proper Shipping Name	Not regulated as a dangerous good for transport.
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14.3 Transport hazard class	Not applicable
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14.4 Packing Group	Not applicable
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14.5 Environmental hazards	Not applicable
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14.6 Special precautions for users	None known
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15. Regulatory Information

Not applicable.

16. Other Information

Revision date as per supplier
30 June, 2019.

References and sources for data
Supplier MSDS for component materials.

Additional information

For additional product and / or MSDS information, please contact Kingspan Insulation LLC at 800) 241-4402. Information provided by sources external to our company and set forth herein is offered in good faith as accurate, but without guarantee. Safety precautions contained herein cannot anticipate all individual and unique situations. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are, therefore, assumed by the user, and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing herein is intended as recommendation for uses which infringe valid patents or as extension of license under valid patents. Appropriate warnings and safe handling procedures should be provided to users.

Contact Details

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