SAFETY DATA SHEET

Hardie™ Gravis™ Panel

Infosafe No.: GEN5B
Version No.: 1.0
ISSUED Date : 20/11/2025
ISSUED by: James Hardie Australia Pty Limited

Section 1 - Identification

Product Identifier
Hardie™Gravis™Panel

Company Name
James Hardie Australia Pty Limited

Address
Level 17/60 Castlereagh St, Sydney
NSW 2000 Australia

Telephone/Fax Number
Telephone: 13 11 03

Emergency Phone Number
1800 638 556

Recommended use of the chemical and restrictions on use
For use in exterior cladding and flooring applications in accordance with the relevant product installation guide.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture
This product is not classified as hazardous in its current form. The hazard classifications listed below are from substances which can be released from the product during processing.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Skin corrosion/irritation: Category 2
Eye damage/irritation: Category 1
Sensitisation - Skin: Category 1
Carcinogenicity: Category 1A
Specific target organ toxicity (single exposure): Category 3 (Respiratory tract irritation)
Specific target organ toxicity (repeated exposure): Category 1

Signal Word (s)
DANGER

Hazard Statement (s)
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H350 May cause cancer by inhalation.
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure by inhalation.
H335 May cause respiratory irritation.

Pictogram (s)
Exclamation mark,Corrosion,Health hazard

Precautionary Statement–Prevention
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dusts or mists.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement–Response
P312 Call a POISON CENTER/doctor if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Precautionary Statement–Storage
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Precautionary Statement–Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Calcium Silicate	1344-95-2	60-80 %
Quartz (SiO2)	14808-60-7	20-40 %
Cement, portland, chemicals	65997-15-1	10-30 %
Gypsum (Ca(SO4).2H2O)	13397-24-5	<5 %
Calcium carbonate	471-34-1	<1 %
Ingredients determined not to be hazardous		Balance

Section 4 - First Aid Measures

Inhalation
Not considered a potential route of exposure for intact product. However, if dust is inhaled during processing, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion
Not considered a potential route of exposure for intact product. However, if dust is ingested during processing, do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Not considered a potential route of exposure for intact product. However, if dust contacts skin during processing, wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye
Not considered a potential route of exposure for intact product. However, if dust gets in the eye during processing, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

Section 5 - Firefighting Measures

Suitable Extinguishing Media
Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Specific hazards arising from the chemical
This product is non combustible.

Decomposition Temperature
Not available

Precautions in connection with Fire
Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

Section 6 - Accidental Release Measures

Emergency Procedures
Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling
When processing, avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area, out of direct sunlight. Ensure that storage conditions comply with applicable local and national regulations.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Calcium carbonate	Safe Work Australia	TWA	10	mg/m³	Inhalable dust containing no asbestos and < 1% crystalline silica
Cement, portland, chemicals	Safe Work Australia	TWA	10	mg/m³	Inhalable dust containing no asbestos and < 1% crystalline silica.
Calcium Silicate	Safe Work Australia	TWA	10	mg/m³	Inhalable dust containing no asbestos and < 1% crystalline silica
Quartz (respirable dust)	Safe Work Australia	TWA	0.05	mg/m³	
Gypsum (Ca(SO4).2H2O)	Safe Work Australia	TWA	10	mg/m³	Inhalable dust containing no asbestos and < 1% crystalline silica

Biological Monitoring
No biological limits allocated.

Control Banding
Not available

Engineering Controls
Use with good general ventilation. If dusts are produced during processing, local exhaust ventilation should be used. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection
If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.
Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye and Face Protection
Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.
Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

Hand Protection
Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.
Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Thermal Hazards
No further relevant information available.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Solid	**Appearance**	Solid white - article
Colour	White	**Odour**	Not applicable
Melting Point	1540 °C	**Boiling Point**	Not applicable
Decomposition Temperature	Not available	**Solubility**	Not applicable
Specific Gravity	0.4 - 0.6	**pH**	7 - 8
Vapour Pressure	Not applicable	**Relative Vapour Density (Air=1)**	Not applicable
Evaporation Rate	Not applicable	**Odour Threshold**	Not applicable
Viscosity	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity	**Volatile Component**	Not applicable
Partition Coefficient: n-octanol/water (log value)	Not applicable	**Flash Point**	Not applicable
Flammability	Not flammable	**Auto-Ignition Temperature**	Not applicable
Explosion Limit - Upper	Not available	**Explosion Limit - Lower**	Not available
Explosion Properties	Not available	**Oxidising Properties**	Not available
Kinematic Viscosity	Not applicable	**Dynamic Viscosity**	Not applicable
Particle Characteristics	Not available		

Section 10 - Stability and Reactivity

Reactivity
Refer to Section 10: Possibility of hazardous reactions

Chemical Stability
Stable under normal conditions of storage and handling.

Possibility of hazardous reactions
Reacts with incompatible materials.

Conditions to Avoid
Avoid the creation of dust during processing, handling and installation. Avoid high temperature storage.

Incompatible Materials
Not available

Hazardous Decomposition Products
Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon monoxide and carbon dioxide.

Hazardous Polymerization
Not available

Section 11 - Toxicological Information

Toxicology Information
No toxicity data available for this material. The available acute toxicity data for the ingredient/s is/are given below.

Acute Toxicity - Oral
Calcium carbonate
LD50 (rat): 6450 mg/kg

Acute Toxicity - Dermal

Calcium carbonate
LD50 (rat): > 2000 mg/kg
(OECD Guideline 402)

Acute Toxicity - Inhalation
Calcium carbonate
LC50 (rat): > 3 mg/L 4h
(OECD Guideline 403)

Ingestion
Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation
Not considered a potential route of exposure for intact product. Inhalation of product dust can cause irritation of the nose, throat and respiratory system.

Repeated exposure to respirable crystalline silica dust may lead to silicosis, or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysaema and asthma.

Skin
Not considered a potential route of exposure for intact product. Product dust causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. May cause an allergic skin reaction.

Skin Corrosion/Irritation
Calcium carbonate
Skin - Rabbit
Result: No skin irritation
(OECD Testing Guideline 404)

Eye
Not considered a potential route of exposure for intact product. Product dust causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

Respiratory Sensitisation
Not expected to be a respiratory sensitiser.

Skin Sensitisation
Not considered sensitising for intact product. Product dusts may cause an allergic skin reaction.

Calcium carbonate
Local lymph node test
non-sensitising
OECD Testing Guideline 429

Germ Cell Mutagenicity
Not considered to be a mutagenic hazard.

Calcium silicate:
Test type: In vitro chromosomal aberration test
Testing System: Other Cell Types
Method: OECD Testing Guideline 473
Result: Negative
Species: In vivo experiments
Method: OECD Testing Guidelines 475
Result: Negative

Calcium carbonate:
bacterial reverse mutation assay
in vitro
negative
Method: OECD Testing Guidelines 471

Carcinogenicity
Not considered carcinogenic for intact product. Product dusts may cause cancer by inhalation. Classified as a Known or presumed human carcinogen.

Respirable crystalline silica is classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1).

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT - Single Exposure
Not classified for intact product. Product dusts may cause respiratory irritation.

STOT - Repeated Exposure
Not classified for intact product. Product dusts cause damage to organs (lungs) through prolonged exposure if inhaled.

Aspiration Hazard
Not expected to be an aspiration hazard.

Section 12 - Ecological Information

Ecological Information
No ecological data available for this material. The available ecological data for the ingredients is given below:

Persistence and degradability
Not available

Mobility
Not available

Bioaccumulative Potential
Not available

Other Adverse Effects
Not available

Environmental Protection
Prevent this material entering waterways, drains and sewers.

Acute Toxicity - Fish
Calcium carbonate
LC50 (freshwater fish): > 56 g/L/96h

Hazardous to the Ozone Layer
This product is not expected to deplete the ozone layer.

Section 13 - Disposal Considerations

Disposal Considerations
The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

Section 14 - Transport Information

Transport Information
Road and Rail Transport (ADG Code):
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Special Precautions for User
Not available

IATA UN Number
None Allocated

IATA Proper Shipping Name
Not dangerous for conveyance under IATA code

IATA Transport Hazard Class
None Allocated

IATA Packing Group
None Allocated

IMDG UN Number
None Allocated

IMDG Proper Shipping Name
Not dangerous for conveyance under IMO/IMDG code

IMDG Transport Hazard Class
None Allocated

IMDG Packing Group
None Allocated

IMDG Marine pollutant
No

Transport in Bulk
Not available

Section 15 - Regulatory Information

Regulatory Information
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule
Not Scheduled

Montreal Protocol
Not Listed

Stockholm Convention
Not Listed

Rotterdam Convention
Not Listed

International Convention for the Prevention of Pollution from Ships (MARPOL)
Not available

Agricultural and Veterinary Chemicals Act 1994
Not available

Basel Convention
Not available

Section 16 - Any Other Relevant Information

Date of Preparation
SDS Created: November 2025.

Literature References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Code of Practice for Supply Diversion into Illicit Drug Manufacture.
National Code of Practice for Chemicals of Security Concern.
Agricultural Compounds and Veterinary Chemicals Act.
International Agency for Research on Cancer (IARC) Monographs.
Montreal Protocol on Substances that Deplete the Ozone Layer.
Stockholm Convention on Persistent Organic Pollutants (POPs).
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.
International Air Transport Association (IATA) Dangerous Goods Regulations.
International Maritime Dangerous Goods (IMDG) Code.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

Contact Person/Point
IMPORTANT ADVICE: Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, James Hardie, makes no representations as to the completeness or accuracy thereof. Information is supplied on the conditions that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will James Hardie or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

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