

MATERIAL SAFETY DATA SHEET

This MSDS is a transcript of the manufacturers MSDS prepared by:

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Issue date: 13th April 2006 (Version 1.0, Reference Number: 063)

(Minor additions and notes by James Hardie shown in italics)

1. Identification of Material

Product Name: **JAMES HARDIE BASE COAT**

Other names: n.all

Recommended uses: Mix with water to use as a basecoat with *James Hardie Top Coat*

2. Hazards Identification

Hazard Classification

Hazardous according to the criteria of the NOHSC. Ingredients are listed on the AICS.

Not classified as DG under Australian Dangerous Goods Code.

Not a Scheduled Poison according to the SUSPD

Risk Phrases

R 34 Cause burns,
R 36 Irritating to eyes,
R 37 Irritating to the respiratory system,
R 38 Irritating to the skin,
R 48 Danger of serious damage to health by prolonged exposure
R 41 Risk of serious eye damage.
R 66 Repeated exposure may cause skin dryness or cracking.

Safety Phrases

S 22 Do not breathe dusts,
S 24 Avoid contact with skin,
S 25 Avoid contact with eyes,
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice,
S 28 After contact with skin, wash immediately with plenty of soap-suds,
S 38 In case of insufficient ventilation, wear suitable respiratory protection,
S 36/37/39 Wear suitable protective clothing, glove and eye/face protection.

3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No.
Calcium Carbonate	> 60%	1317-65-3
Cement White	10 – 30%	65997-15-1
Ingredients determined to be non-hazardous or below cut off values	to 100%	NA

4. First Aid Measures

4.1 Symptoms of Exposure by Route

SWALLOWED

Minor amounts ingested incidental to normal handling will have little or no effect. Larger amounts deliberately ingested will cause nausea, vomiting and stomach discomfort. May cause superficial burns to lips, mouth and throat.

EYE

Can cause severe irritation or burns to the eye and must be promptly removed to prevent further damage.

SKIN

May cause superficial burns to damp skin, especially if trapped against skin by clothing. Prolonged or repeated skin exposures may cause drying and cracking of the skin and possibly lead to dermatitis.

INHALED

Will cause coughing and a dry throat. Over several years prolonged or repeated exposure to high dust concentrations may lead to lung disorders.

4.2 First Aid Instructions

SWALLOWED

Do not induce vomiting.

Rinse mouth clear with water and give two glasses to drink. If patient involuntarily vomits encourage to lean forward to avoid aspirating. If symptoms persist seek prompt medical help.

EYE

Immediately: Hold eye open and flush with clean water for at least 15 minutes. While flushing, gently pull upper and lower eyelids away from eyes and ensure carefully flushed. If symptoms persist seek prompt medical attention.

SKIN

Remove contaminated clothing and footwear (while under safety shower if appropriate). Flush affected area with water for 3-5 minutes followed by washing gently with soap and water for a further 5 minutes. Rinse well and pat dry. If symptoms persist seek prompt medical attention.

INHALED

Remove patient (while wearing SCBA if concentrations are high) to fresh air. Allow to rest. Rinse mouth and nose with water.

Provide artificial respiration if breathing stops. Seek prompt medical attention unless recovery is virtually immediate. It is unlikely that exposure to this product would cause collapse. Suggest check for presence of other hazardous material.

FIRST AID FACILITIES

Provide normal industrial first aid facilities including eye-wash stations and safety showers as appropriate.

Notes to Physician (for symptoms of over-exposure to this product see above)

Possible symptoms of Chronic Health Effects



Prolonged or repeated inhalation of fine dusts may lead to congestive diseases of the lung.

Possible aggravated pre-existing conditions

Persons suffering from pulmonary disorders such as emphysema should not work with this product unless wearing appropriate inhalation protection at all times.

Suggested treatment for acute symptoms, known antidotes

Provide supportive care and treatment based on the patient's reaction to the exposure. For further information contact the:

POISONS INFORMATION CENTRE 13 11 26 in all States (New Zealand dial 0800 764 766)

5. Fire Fighting Measures

5.1 Flammability and Explosion Hazards

Product is non-combustible. No explosive effect expected.

5.2 Hazardous Combustion Products

Minor components may emit trace amounts of toxic vapours when subjected to the heat of a fire.

5.3 Suitable Extinguishing Media

Select to suit surrounding fires or use dry agents water delivered as fog.

HAZCHEM Code: Not allocated

5.4 Precautions for Fire Fighters and Special Equipment

Wear SCBA and full turn out clothing. Avoid bodily contact with substance or run-off.

6. Accidental Release Measures

6.1 Emergency Procedures – Spills and Leaks (See Section 13 for disposal considerations)

Prevent product entering drains or waterways. Wear dust mask or respirator (Use respirator when spill is major involving > 500 kg of product). Sweep or shovel up and place in plastic drums or pails, fit lids, label and place in a safe area to await disposal or recovery. Thoroughly ventilate area before continuing normal work.

7. Handling and Storage

7.1 Handling Advice

Avoid bodily contact with material. Wear suitable protective clothing. Avoid contact with water unless mixing ready for use. Do not use compressed air to clear away spilt product in the dry form.

7.2 Storage Advice

Store in a cool, dry and well-ventilated area. Avoid generating or accumulating dusts during handling.

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards

The NOHSC has not established an exposure standard for this product. The standard for some of the ingredients has been set:

Substance	TWA	STEL
Cement White	10 mg/m ³	n.est.
Calcium Carbonate	10 mg/m ³	n.est.



8.2 Engineering Control Methods

In outdoor use natural ventilation is usually adequate. If extremely dusty conditions prevail or if working in poorly ventilated enclosed areas provide adequate ventilation/dust extraction and exhausts to ensure that the work area is kept below the TWAs set.

8.3 Personal Protective Equipment

Respiratory Protection

If dusts are generated during mixing wear painter dust mask. If high dust concentrations are present use particulate filter respirator to AS 1715 & 1716. If sanding, sawing or grinding dried coating use painters dust mask.

Eye Protection

Wear safety glasses or goggles to AS 1337. It is recommended that contact lenses not be worn while working with this product.

Gloves

Use PVC or leather gloves to AS 2161.2

Clothing

Wear cotton or Tyvec coveralls fastened at the neck and wrist. Supplement with a rubber or PVA apron if required.

9. Physical and Chemical Properties

Appearance:	Light Pink powder
Odour:	Cementitious
Freezing/	
Melting Point:	n.d.
Boiling Point:	n.d.
Density:	1.3
Vapour Pressure:	n.d
Solubility in water:	insoluble
Volatiles Percent:	n.d.
Flash Point:	n.a.
Flammability Limits:	n.a.
Auto Ignition Point:	n.d

Other Properties: Cement contains varying proportions of crystalline silica, a Category 1 human carcinogen. Product is non-combustible.

10. Stability and Reactivity

Product is stable in all circumstances of normal handling and use.

11. Toxicological Information

Will block drains or small waterways as product starts to cure in contact with water. Not biodegradable.

12. Ecological Consideration

No relevant data.

13. Disposal Considerations

Disposal must be in accordance with local regulations for hazardous wastes. If dampened and allowed to cure may be disposed of as a non-hazardous waste.



14. Transport Information

Requirements under the ADG Code, the IMDG Code or the IATA DG Regulations do not apply to this product.

15. Regulatory Information

Label in accordance with the "National Code of Practice for the Labelling of Workplace Substance" [NOHSC: 2012 (1994)] with the Risk and Safety Phrases given on page 1 of this MSDS and the word "Hazardous". Labelling under the SUSDP or the ADG Code is not required.

16. Other Information

Date Prepared/Amended: 13/04/2006

New MSDS (Version 1.0) to comply with National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition NOHSC: 2011 (2003)

Data Sources used: in the preparation of this MSDS include: "Chempendium" and "MSDS plus Cheminfo" published in CD format by CCOHS Canada 2003 - 4. "TOMES" a CD database published by Micromedex, USA, "Hazardous Properties of Industrial Materials" Van Nostrand Rheinhold NY, USA. "List of Designated Hazardous Substances" NOHSC 10005:1999, "National Exposure Standards" NOHSC 1003:1995.

Abbreviations used: n.d = not determined, n.a = not applicable, n.all =not allocated, SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons, ADG = Australian Dangerous Goods Code, IATA = International Air Transport Association, (Dangerous Goods Regulations), IMDG = International Maritime Dangerous Goods (Code)

Disclaimer

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James Hardie Topcoat is a Davco Construction Materials Pty Ltd product marketed by James Hardie Building Products, a division of James Hardie Australia Pty Limited. Expert advice is available from the following contacts at Davco Construction Materials Pty Ltd:

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