



**JamesHardie**

# Material Safety Data Sheet

HardieWrap™ Seam Tape

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

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**Product Name** HardieWrap™ Seam Tape  
**Product Description** Pressure Sensitive Adhesive Tape  
**Manufacturer/Supplier** James Hardie Building Products  
**Address** 1901 Elm Avenue  
 Fontana, CA 92337  
**Phone Number** 1-800-9-HARDIE

**Revision Date:** January 21, 2009

**MSDS Date:** March 4, 2008

*Safety Data Sheet according to EC directive 2001/58/EC and OSHA's Hazcom Standard (29 CFR 1910.1200)*

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## 2. HAZARDS IDENTIFICATION

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**EU Main Hazards**

Not classified as hazardous.

**Routes of Entry**

Skin contact

**Carcinogenic Status**

See Section 11 for information.

**Target Organs**

- Skin

**Health Effects - Eyes**

Contact may cause irritation due to mechanical abrasion.

**Health Effects - Skin**

Prolonged, repeated contact with adhesive may cause skin irritation.

**Health Effects - Ingestion**

Not an expected route of entry during normal handling and use.

**Health Effects - Inhalation**

Not an expected route of entry during normal handling and use.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Polymers & Resins	N.A.	<50%	None	None
Distillates(petroleum)Hydrotreated Light Naphthenic	64742-53-6 265-156-6	<10%	None	None
Distillates(petroleum)Hydrotreated Heavy Naphthenic	64742-52-5 265-155-0	<20%	R45	T, Carc. Cat. 2
Inorganic Compound	1332-58-7	<10%	None	None

Quartz	14808-60-7 238-878-4	<0.5%	None	None
Carbon Black	1333-86-4 215-609-9	<10%	None	None

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#### 4. FIRST AID MEASURES

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##### Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

##### Skin

Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

##### Ingestion

Obtain medical attention immediately.

##### Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

##### Advice to Physicians

Treat symptomatically.

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#### 5. FIRE - FIGHTING MEASURES

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##### Extinguishing Media

Water spray, carbon dioxide and dry chemical.

##### Unusual Fire and Explosion Hazards

May release hazardous vapors during a fire.

##### Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

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#### 6. ACCIDENTAL RELEASE MEASURES

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No specific measures necessary. Prevent the material from entering drains or watercourses.

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#### 7. HANDLING AND STORAGE

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Keep away from heat and sources of ignition. Storage area should be: - cool - dry - well ventilated - away from incompatible materials

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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##### Occupational Exposure Standards

Exposure limits are listed below, if they exist.

##### Polymers & Resins

None established

##### Distillates(petroleum)Hydrotreated Light Naphthenic as Oil mist, mineral

ACGIH TLV: 5 mg/m<sup>3</sup>, STEL: 10 mg/m<sup>3</sup>

##### Distillates(petroleum)Hydrotreated Heavy Naphthenic as Oil mist, mineral

ACGIH TLV: 5 mg/m<sup>3</sup>, STEL: 10 mg/m<sup>3</sup>

##### Carbon Black

OSHA and ACGIH TLV: 3.5 mg/m<sup>3</sup>

##### Quartz

ACGIH TLV for Quartz (silica-crystalline): 0.025 mg/m<sup>3</sup> measured as respirable fraction of the aerosol

##### Engineering Control Measures

No specific measures necessary. Good general room ventilation is expected to be adequate to control

airborne levels.

**Respiratory Protection**

Respiratory protection not normally required.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Hand Protection**

Not required under normal conditions of use. However, care should be taken to avoid contact with the adhesive.

**Eye Protection**

Safety glasses

**Body Protection**

Normal work wear.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Pressure sensitive adhesive coated on non woven backing with a disposable liner
<b>Color</b>	Black adhesive, brown kraft liner, white backing with green print
<b>Odor</b>	Slight
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	Not applicable
<b>Melting Point (°C/F)</b>	Not applicable
<b>Flash Point (PMCC) (°C/F)</b>	Not known
<b>Explosion Limits (%)</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>Density</b>	No data.
<b>Solubility in Water</b>	Not known
<b>Vapor Density (Air = 1)</b>	Not applicable

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**10. STABILITY AND REACTIVITY**

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**Stability**

Stable under normal conditions.

**Conditions to Avoid**

- Heat - High temperatures

**Materials to Avoid**

Acids – bases - oxidizers – chlorinated solvents

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

oxides of carbon – aromatic and aliphatic carbons – partially oxidized hydrocarbons - toxic gases and smoke

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Low order of acute toxicity.

**Chronic Toxicity/Carcinogenicity**

Carbon Black is classified by IARC: Group 2B possible human carcinogen. When encapsulated in the adhesive matrix the risk of exposure is reduced.

For "inhalable" crystalline silica (quartz): IARC Overall Evaluation is 1 (carcinogenic to humans), the quartz in this formulation is in an adhesive matrix and is not expected to be "inhalable."

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**11. TOXICOLOGICAL INFORMATION**

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**Genotoxicity**

This product is not expected to cause any mutagenic effects.

**Reproductive/Developmental Toxicity**

This product is not expected to cause adverse reproductive effects.

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**12. ECOLOGICAL INFORMATION**

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

The product may be harmful to aquatic organisms.

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**13. DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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<b>DOT CFR 172.101 Data</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.

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**15. REGULATORY INFORMATION**

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**EU Label Information**

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments(2001/60/EC and 2006/8/EC)

**EC Annex I Classification**

According to EC Commission Directive 67/548/EEC this product is not classified.

**R phrases**

None.

**S phrases**

None.

**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS****TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

**EINECS Listing**

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

**DSL (Canadian) Listing**

All ingredients in this product are listed on the Domestic Substance List (DSL).

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**15. REGULATORY INFORMATION**

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**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: Toluene (108-88-3) <40ppm; Carbon Black

**SARA Title III Sect. 311/312 Categorization**

Immediate (acute)

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

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**16. OTHER INFORMATION**

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**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

T: Toxic

R45: May cause cancer.

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

Carcinogen Category 2: Substances which should be regarded as if they are carcinogenic to man.

**For further information email:** [info@jameshardie.com](mailto:info@jameshardie.com)

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