



BUILDING PRODUCTS OF CANADA CORP.

MATERIAL SAFETY DATA SHEET COMPOSITE INSULATION PANEL R4 AND R4HP

Section I – Product Information

Brand Name: R4 and R4 HP
Manufacturer: Building Products of Canada Corp
9510, St-Patrick street
LaSalle (Quebec), Canada H8R 1R9
Emergency phone number: CANUTEC 1-888-226-8832
Product Uses: It Composite panel made with asphalt coated wood fiber and polystyrene board with insulation value of R= 4. The insulating and sound-deadening panel can be utilized for walls, ceilings or floor assemblies.
WHMIS Classification: These products are not controlled by the WHMIS.
Preparation date: February 2018
Version: 2

Section II – Hazard Identification

Emergency Overview:

Warning: This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may cause skin, eyes, throat or upper respiratory tract irritations.

Potential Health Effects (see section 11 for more information)

Acute:

Inhalation	Exposure to dust produced during handling or cutting the product may cause eye, skin, nose, throat and upper respiratory tract irritation. Extreme exposure to large amounts of dust may cause labored breathing and sneezing. If there is too much dust in the air, leave the area. If respiratory symptoms persist, consult a physician.
Eyes	Dust may cause mechanical irritation. If burning, redness, itching or other symptoms persist, consult a physician.
Skin	Direct contact with skin may cause temporary irritation. Rubbing of this product on skin may cause mechanical abrasion. If symptoms persist, consult a physician.
Ingestion	This product is not intended to be eaten. Unlikely to occur, but may cause an irritation of the gastrointestinal tract, throat and stomach.

Chronic:

Inhalation	Panel or boards do not release dust or asphalt fumes when manipulated or installed, thus, they do not represent any known hazard in that state.
Eyes	None known
Skin	Wood dust depending on tree essence may cause irritation or dermatitis. This is a remote possibility because wood fiber manufacturing process removes most of the compounds responsible for skin irritation. Asphalt is could cause skin irritation.
Ingestion	None known

Target organs: Eyes, skin and respiratory system.



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Primary entry routes: Inhalation, eyes and skin contact.

Carcinogenicity, teratogenicity, embryotoxicity, mutagenicity: This product has no carcinogenic, teratogenic, mutagenic, or embryotoxic known effects.

Component	IARC	NTP	ACGIH	CAL-65
Wood Fiber	Not Listed	Not Listed	Not Listed	Not Listed
Starch	Not Listed	Not Listed	Not Listed	Not Listed
Wax	Not Listed	Not Listed	Not Listed	Not Listed
Wood Dust from sawing	Carcinogenic to Human	Not Listed	Confirmed Human Carcinogen	Cancer
Asphalt fumes (8052-42-4)	Carcinogenic to animals	Not Listed	Suspected Human Carcinogen	Not Listed
Polystyrene fumes	Not Listed	Not Listed	Not Listed	Not Listed

Section III – Composition/ Information on ingredients

Component	CAS No.	EC No.	Weight %
Wood Fiber	Mixture	Mixture	>75
Starch	9005-25-8	232-679-6	<4
Wax	8002-74-2	232-315-6	<1
Polystyrene	9003-53-6	500-008-9	<15
Oxidized asphalt	64742-93-4	265-196-4	<5

The components declared herein are not considered hazardous components as per WHMIS, OSHA and 29 CFR 1910.1200 legislations.

As per OSHA and WHMIS the above product is considered a consumable item and do not require SDS or MSDS. However we want to disclose as much as possible information relating to health and safety, to ensure that the product is handled and used properly. This SDS contains valuable information for safe handling and proper use of the product. This SDS should be retained and available for employees and other users.

Section IV – First aid measures

Inhalation: In case of inhalation of gas or vapor, remove person to fresh air. If breathing is difficult or ceases, administer oxygen. If symptoms persist, consult a physician.

Skin contact: Wash skin with soap and water. If irritation persists, consult a physician.

Eye contact: Flush eyes with water for 15 to 20 minutes. If irritation persists, consult a physician.

Ingestion: This product is not intended to be eaten. Ingestion is unlikely to occur. If ingestion occurs, consult a physician.

Medical conditions which may be aggravated: Pre-existing respiratory and lung diseases such as bronchitis, emphysema or asthma. Pre-existing skin conditions such as rashes and dermatitis.

Notes to the physician: This product is a mechanical irritant, acute exposure is not expected to produce any chronic health effect. Treatment should be aimed at alleviating symptoms.



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Section V – Fire Fighting measures

Flash Point: 200°C (wood dust / molten polystyrene)
 Auto-Inflammation Temperature: > 300°C
 Flammable Limits in air : Upper Flammable Limit (UFL): No object
 Lower Flammable Limit (LFL): No object
 Flammability Classification: B2 (DIN 4102)
 Rate of Burning: Not Determined
 Specific Dangers: When in contact with an ignition source, wood dust can be an explosion hazard.
 Combustion products: Fire gives off normal combustion products.
 Fire Fighting Agents: Use dry powder, foam and water spray or appropriate extinguishing media for surrounding materials on fire.
 Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing (see section 8).

Section VI – Accidental release measures

Containment: No special measure.
 Clean-up: No special measure.
 Disposal: The finished product is a wood-based solid. Follow all local, municipal, provincial, state and federal regulations. To remove, use standard means approved for disposal. Dispose in a landfill or use any other method prescribed by regulation.

Section VII – Handling and storage

Handling: Dust can form an explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Use personal protective equipment as required (see section 8). Avoid frequent or prolonged inhalation of wood dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded (see Sections 2 and 8). Use good safety and industrial hygiene practices. Avoid contact with humidity and water. Presence of water may lead to mold growth.
 Storage: Store flat, in a dry, well ventilated place and away from sources of excessive heat. Product should be protected from the weather and direct sunlight.

Section VIII – Exposure controls/personal protection

Component	Weight %	TLV (mg/m ³)	PEL (mg/m ³)
Wood Fiber	>93	Not established	Not established
Starch	<5	10	Total: 15 Respirable: 5
Wax fumes	---	2	2
Wood Dust from sawing	---	0.5	Total: 5 Respirable: 5
Asphalt fumes	---	0.5	Not established
Polystyrene fumes	---	0.5	Not established

ENGINEERING CONTROLS: Provide sufficient ventilation, i.e., enough to control airborne dust levels. Use ventilation to keep dust concentrations below permissible exposure limits. If cutting or trimming with power tools, dust collectors and local ventilation should be used. Avoid unnecessary exposure to dust and handle with care. Keep work area clean of dust by using an industrial vacuum cleaner with high efficiency filter or wetting down area with water. Never use compressed air and avoid dry sweeping.

If engineering controls are not possible, use safety glasses, gloves and dust respirator mask. Wear a NIOSH/MSHA approved respirator with cartridges in poorly ventilated areas or if TLV is exceeded.



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Section IX – Physical and chemical properties

Appearance at 25°C:	Solid
Odor:	Neutral
pH:	No object
Density:	Not measured
Melting Point:	No object
Freezing Point:	No object
Boiling Point:	No object
Evaporation Rate:	No object
Vapor Tension:	No object
Vapor Density:	No object
Relative Density (water = 1):	< 1
Solubility:	Insoluble in water
Decomposition Temperature:	Not measured
VOC	None

Section X – Stability and reactivity

Stability:	Stable.
Condition to avoid:	Contact with moisture and humidity may alter the product and even cause some mold development.
Incompatibility:	None known
Hazardous Polymerization	Will not occur
Hazardous Decomposition	The decomposition products are those expected from wood. These decomposition products may include carbon oxides and carbon particles. Thermal-oxidative degradation of wood produces irritating fumes and gases.

Section XI – Toxicological information

Acute Effects:	None are known for the product. However, direct contact with any dust, including wood dust, can mildly irritate mucous membranes of your nose and eyes. None are known for the product.
Chronic Effects/Carcinogenicity	None are known for the product. However, repeated contact with wood dust can cause skin irritation, dermatitis or respiratory sensitization or irritation, because of the quinolic content of some wood essence.

Section XII – Ecological Information

Environmental Toxicity:	This product has no known adverse effect on ecology
Ecotoxicity Value:	Not determined

Section XIII – Disposal considerations

Disposal:	The finished product is a wood/polystyrene based solid. It may be recycled in local facilities. If unable to recycle dispose of the material in accordance with all local, municipal, provincial, state and federal regulations. Use standard means approved for disposal. Dispose in a landfill or use any other method prescribed by regulation.
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Section XIV – Transport information

U.S. DOT INFORMATION: Not a hazardous material per DOT shipping requirements. Not classified or regulated.

Shipping Name: Same as product name.

Hazard Class: Not classified.

UN/NA #: None / Not classified.

Packing Group None.

Label (s) Required Not applicable.

GGVSeb/MDG-Code Not classified.

ICAO/IATA-DGR Not applicable.

RID/ADR None.

ADNR None.

Canadian Transportation of Dangerous Goods (TDG): Not a dangerous good.

Section XV – Regulatory information

Canada: WHMIS Classification: Not a controlled product
All the ingredients are part of the Domestic Substance List (DSL)

United State: All the ingredients contained in the product are included in U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory

This product does not contain hazardous component as per WHMIS, OSHA, 29 CFR 1910.1200, SARA 302, 304 and 313, CERCLA CAA section 112 or RCRA hazardous legislations.

As per OSHA and WHMIS the above product is considered a consumable item and do not require a SDS or MSDS. However we want to disclose as much as possible information relating to health and safety, to ensure that the product is handled and used properly. This SDS contains valuable information for safe handling and proper use of the product. This SDS should be retained and available for employees and other users.

European Union Dangerous Substances Directive 67/548/EEC
R- Phrase(s): R 37/38 (2001/59/EC)
s-Phrase(s): None Known (2006/102/EC)
P261 – Avoid breathing dust/fume/vapors
P271 – Use only outdoors or in a well ventilated area.
P281 – Use personal protective equipment as required (see Section 8)

Section XVI – Other information

Caution!

Dust can cause eyes, skin and respiratory tract irritations. Cut and trim with a knife or hand saw to minimize dust levels. Avoid cutting with Power tools, because they generate high dust levels. Power tools must be equipped with a dust collection system. Wear eye, skin and respiratory protection as necessary per working conditions (see section 8). If eye contact occurs flush with water for 15 to 20 minutes. Do not ingest. If ingested, call a physician. KEEP OUT OF REACH OF CHILDREN.

NFPA Ratings: Health 1; Fire 0; Reactivity 0; Personal protection E (Safety glasses, gloves and dust respirator mask).

HMIS Ratings: Health 1; Fire 0; Reactivity 0; Personal protection E (Safety glasses, gloves and dust respirator mask)

NFPA and HMIS hazard category: 0= minimal, 1= Slight, 2 = Moderate, 3 = Serious, 4= Severe

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Since this product is a "Manufactured Article". Building Products of Canada Corp. is not required by law to produce a Material Safety Data Sheet or a Safety Data Sheet. This Safety Data Sheet is provided as customer service information. The recommendations and data presented are believed to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of this information.