

# DECOUSTICS MATERIAL SAFETY DATA SHEET

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## MATERIAL SAFETY DATA SHEET

### DECOUSTICS QUADRILLO ACOUSTIC PANELS

#### SECTION 1 - PRODUCT INFORMATION

Product Name:            Quadrillo Panels.

Product Use:             Architectural interior acoustical control product

Manufacturer:            Decoustics Limited  
61 Royal Group Crescent  
Woodbridge, Ontario  
Canada L4H 1X9

Telephone: (905) 652-5200

Product Safety Note:    Quadrillo Acoustic panels are a “manufactured article” as defined in the Hazards Product Act (Canada), and the Workplace Hazardous Materials Information System (WHMIS) regulations and is not considered a controlled product; and an “article” as defined by the requirements of Federal OSHA Hazard Communication Standard 29 CFR 1900.1200; however, wood dust/glass fibre generated by sawing, sanding, or machining this product may be hazardous.

Use caution when unpacking panels, as vapours from ingredients of materials used may be released. See sections 2, 4 and 8 for details.

Installation and maintenance personnel are advised to use caution when cutting, drilling, or otherwise machining acoustic panels. See sections 2, 4 and 8 for details.

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## SECTION 2 - HAZARDOUS COMPONENTS

Component	CAS No.	OSHA PEL	ACGIH TLV
Mixed softwoods	N/A	TWA 5 mg/M <sup>3</sup> STEL 10 mg/M <sup>3</sup>	5 mg/M <sup>3</sup> 10 mg/M <sup>3</sup>
Other Components:			
Methylenebis (phenylisocyanate)	101-68-8	TWA 0.02 ppm C	0.005 ppm
Paraffinic wax	8002-74-2	TWA 2 mg/M <sup>3</sup>	2 mg/M <sup>3</sup>
Mineral wax	N/A	N/A	N/A
Ammonium Polyphosphate	N/A	N/A	N/A
Fibre glass wool	65997-17-3	1 fiber/cc (proposed)	10 mg/M <sup>3</sup>
Cured binder	25104-55-6	N/A	N/A
Trace of Formaldehyde (less than 0.1 % w/w)	50-00-0	TWA 0.75 ppm STEL 2 ppm	0.3 ppm C

## SECTION 3 - FIRST AID MEASURES

Eye Contact:	If particles enter the eye during drilling, cutting, or other operations, irrigate with a gentle stream of cool water for at least 15 minutes. If irritation persists, seek medical attention.
Skin Contact:	Particles on the skin from drilling, cutting or other operations should be washed off with soap and warm water. Do not try to rub particles off dry. Seek medical attention if irritation persists.
Inhalation:	Move person to fresh air and allow to rest. If ill seek medical attention. If an allergy preexists or develops, it may be necessary to remove sensitized individual from further workplace exposure to wood dust.
Ingestion:	Generally not applicable. Treat symptoms.

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## SECTION 4 - HEALTH EFFECTS INFORMATION

### ACUTE HEALTH EFFECTS:

**Eye Contact:** Vapours released when new product is unpackaged may be irritating to the eyes. Wood dust and fibre glass produced from sawing, sanding cutting, or drilling may cause mechanical irritation to the eyes.

**Skin Contact:** Routine handling of panels not harmful to skin. Various wood species may elicit allergic contact dermatitis in sensitized individuals. Fibre glass wool may cause irritation.

**Inhalation:** Vapours released when new product is unpackaged may cause central nervous system depression; typical symptoms include dizziness, headache, weakness, fatigue or nausea. Vapours may also irritate respiratory passages. It may also cause nasal dryness, irritation, coughing and sinusitis.

**Ingestion:** Health effects are unknown.

### TOXICOLOGICAL DATA:

Oral LD<sub>50</sub> : No data available.

Dermal LD<sub>50</sub> : No data available.

Inhalation LC<sub>50</sub> : No data available.

### CHRONIC HEALTH EFFECTS

Wood dust has been classified by International Agency for Research on Cancer (IARC) as a carcinogen to humans (Group 1). Depending on species, wood dust may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. IARC's classification is based primarily on its evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with wood dust. Exposure to wood dust may occur if the product is cut, drilled or machined.

The International Agency for Research on Cancer (IARC) classifies fibreglass wool insulation fibres as “unclassifiable as to its carcinogenicity in humans”

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(Group 3). Fibreglass wool fibres pose little or no risk to health when used in accordance with recommended guidance. Exposure to fibres may occur if the product is cut, drilled, crushed, or subject to other fibre-generating processes.

Formaldehyde is listed by IARC as a carcinogen. In March, 1987 the IARC upgraded their evaluation of formaldehyde gas, based on evidence of carcinogenicity in humans, from inadequate (Group 2B) to limited (Group 2A).

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Not applicable.

Incompatible Substances: Strong acids, strong bases, oxidizing agents and drying oils.

Hazardous Decomposition Products: May include:

- X oxides of carbon (CO and CO<sub>2</sub>); oxides of nitrogen, ammonia
- X halogenated gases, such as chlorine, HCl, HBr, or phosgene (COCl<sub>2</sub>);
- X formaldehyde; or
- X wood acids

Hazardous Polymerization: Does not occur.

## SECTION 6 - FIRE AND EXPLOSION HAZARDS

Flashpoint: N/A Auto-ignition Temp: 400-500<sup>0</sup> F (204-260<sup>0</sup> C)

Flammable Limits: The upper limit suggested for continuous thermal exposure of the panel product is 212<sup>0</sup> F (100<sup>0</sup> C). Sawing, sanding and /or other machining operations can produce wood dust, which has a LEL of 40 g/M<sup>3</sup>.

Unusual Fire and Explosion Hazards: None known.

Extinguishing Media: Class A

Special Firefighting Procedures:

Use water to wet down wood dust to reduce the likelihood of ignition or dispersion. Both wet and dry

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piles of dust can contain glowing embers for an extended period of time. Carefully move or wet dust to an open area after fire is extinguished. Firefighters should wear approved, full-faced self-contained breathing apparatus (SCBA) and full-protective firefighters clothing.

## SECTION 7 - PHYSICAL / CHEMICAL DATA

Physical State:	Solid	Odour Threshold:	N/A
Specific Gravity:	0.6- 1.05	Vapour Pressure:	N/A
Vapour Density (Air=1):	N/A	Evaporation Rate:	N/A
Boiling Temperature:	N/A	Melting Temperature:	N/A
Solubility in Water:	< 1%	% Volatile by Weight:	2-16
Critical Temperature:	N/A	Critical Pressure:	N/A
Molecular Weight:	N/A	Appearance & Odour:	Wood veneer panel with a light rose core; woody odour.

## SECTION 8 - PREVENTATIVE MEASURES

### Engineering Controls:

Not required for normal product use. Utilize general exhaust for storage areas, augmented as necessary with local exhaust to meet OSHA requirements for wood dust. Since vapours may be released during unpacking of new product, open all packages in a well-ventilated area.

### Handling and Storage:

No specific handling procedures required for normal product use. Store in accordance with product specifications.

### Personal Protective Equipment:

None required for normal use. If product is to be cut, drilled, or otherwise machined, wear protective eyewear such as safety glasses with side shields; use goggles for overhead applications. Where exposure to wood dust is likely, wear a

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NIOSH-approved dust/mist respirator. Gloves and other protective outer garments may be worn to reduce the potential for skin contact.

Leak or Spill Procedures:

Not applicable.

Disposal:

Follow Federal, Provincial, State, and Local Regulations.

## SECTION 9 – OTHER INFORMATION

Wood Dust: Wood Dust

CAUTION!

Sawing, sanding or machining wood products can produce wood dust, which can cause a flammable or explosive hazard.

Wood dust may cause lung, upper respiratory tract, eye and skin irritation. Some wood species may cause dermatitis and /or respiratory allergic effects.

- \* Avoid dust contact with ignition sources.
- \* Sweep or Vacuum dust for recovery or disposal.
- \* Avoid prolonged or repeated of wood dust and/or contact with eyes and skin.

## SECTION 10 - PREPARATION INFORMATION

Initially Prepared By: ETCOS  
Environmental Testing & Consulting Services  
96 Terrosa Road  
Markham, Ontario L3S 2N1  
Telephone: (905) 471-9890

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Note: This Material Safety Data Sheet was prepared on the basis of primary information on the type and quantity of chemical constituents provided by Decoustics Limited and its suppliers. ETCOS assumes no legal responsibility for injury to recipient or third party persons for damage to any property as a result of use or misuse of the product, or the accuracy of ingredient data.