



IDENTITY (As Used on Label and List)  
Sustainable Flooring® Ceramicork Flooring Planks

## Section I

<b>Manufacturer's/Supplier Name:</b> US OFFICE: Sustainable Flooring, Inc	<b>Emergency Telephone Number:</b> (303) 544-6076
<b>Address (Number, Street, City, State, and ZIP Code)</b> 4390 Pali Way; Boulder, CO 80301	<b>Telephone Number for Information</b> (303) 544-6076
	<b>Date Prepared</b> August 22, 2008

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	Amount in product	OSHA PEL	ACGIH TLV	Other Limits Recommended
Cork agglomerate and veneer	40.5% by volume	15 mg/m <sup>3</sup> for total dust; 5 mg/m <sup>3</sup> respirable fraction of wood dust <sup>1</sup>	1 mg/m(3) – for 8 hour work day <sup>2</sup>	NIOSH REL: 1 mg/m(3) – for 10 hour work day <sup>3</sup>
Polymerized Polyurethane binder (for bonding cork agglomerate)	3% by volume	Not Listed	Not Listed	Not applicable
Wood Flour (in High Density Fiberboard)	50.5 %	15 mg/m <sup>3</sup> for total dust; 5 mg/m <sup>3</sup> respirable fraction of wood dust <sup>4</sup>	1 mg/m(3) – for 8 hour work day <sup>5</sup>	NIOSH REL: 1 mg/m(3) – for 10 hour work day <sup>6</sup>
UMF Resin (Urea Melamine Formaldehyde; bonding agent of High Density Fiberboard)	5%	Not Listed	Not Listed	Not applicable
Paraffin Wax (in High Density Fiberboard)	0.75-1%	Not applicable	Not applicable	Not applicable
Phenol Formaldehyde (in High Density Fiberboard)	<0.005%; .02 ppm (Chamber test results)	TLV-STEL: 0.3 ppm, 0.37 mg/m <sup>3</sup>		

1-3 OCCUPATIONAL SAFETY AND HEALTH GUIDELINE FOR WOOD DUST, ALL SOFT AND



HARDWOODS, EXCEPT WESTERN RED CEDAR  
4-6 Parts of vapor or gas per million parts of contaminated air by volume at 25 [deg]C and 760 torr. (**Gases, vapors, fumes, dusts, and mists. - 1926.55 App**).

### Section III - Physical/Chemical Characteristics<sup>7</sup>

Boiling Point	No Data	Density of HDF	800-950 kg/m3
Auto Ignition Temperature	175° C	Melting Point/Evaporation Rate	No Data
Solubility in Water Not Applicable			
Appearance and Odor  Natural cork color with an odor of wood			

### Section IV - Fire and Explosion Hazard Data

General Cork Floating floors do not present any special risk and are not an explosion hazard. Sanding, sawing or machining can result in the generation of wood and cork dust that can present a strong explosion hazard if a dust cloud contacts an ignition source.
Extinguishing Media Water, carbon dioxide, sand or dry chemical
Special Fire Fighting Procedures None
Unusual Fire and Explosion Hazards None

### Section V - Reactivity Data

Stability Yes	Conditions to Avoid Not applicable to product in its' supplied form.
Incompatibility ( <i>Materials to Avoid</i> ) Not applicable	
Hazardous Decomposition or Byproducts Byproducts emitted by decomposition include carbon monoxide, carbon dioxide, aliphatic aldehydes, polycyclic aromatic hydrocarbons, rosin acids, and terpenes.	

<sup>7</sup> FORMALDEHYDE IN WORKPLACE ATMOSPHERES (3M MODEL 3721 MONITOR)



## Section VI - Health Hazard Data

### 1) Wood Dust:

Both the skin and respiratory system can become sensitized to wood dust. When a worker becomes sensitized to wood dust, he or she can suffer a severe allergic reaction (such as asthma) after repeated exposure or exposure to lower concentrations of the dust.

Other common symptoms associated with wood dust exposure include eye irritation, nasal dryness and obstruction, prolonged colds, and frequent headaches.

Certain species of hardwood - such as oak, mahogany, beech, walnut, birch, elm, and ash - have been reported to cause nasal cancer in wood-workers. This is particularly true when exposures are high. The American Conference of Governmental Industrial Hygienists (ACGIH) recognizes wood dust as a "confirmed" human carcinogen,<sup>3</sup> and recommends a limit of 1 milligram per cubic meter (mg/m<sup>3</sup>) for hardwoods and 5 mg/m<sup>3</sup> for softwoods. At this time, OSHA regulates wood dust as a nuisance dust; however, OSHA strongly encourages employers to keep exposures to a minimum and to adopt the ACGIH levels. The maximum permissible exposure for nuisance dust is 15 mg/m<sup>3</sup>, total dust (5 mg/m<sup>3</sup>, respirable fraction).

### 2) Formaldehyde:

Formaldehyde is considered a strong irritant and potent sensitizer. Inhalation of large amount of HCHO can cause severe irritation of the upper respiratory tract and death. Data from human exposures indicate that exposure to large concentrations of HCHO gas may lead to pulmonary edema. Even HCHO gas present in the workroom at concentrations of 1 to 11 ppm can cause eye, nose, and throat irritation (5.11.). Formaldehyde has the potential to cause cancer in humans (5.12.).

<b>Route(s) of Entry:</b> Mouth, Skin, eyes	<b>Inhalation?</b> Yes	<b>Skin?</b> Yes	<b>Ingestion?</b> Yes
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#### Health Hazards (*Acute and Chronic*)

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#### Carcinogenicity:

Formaldehyde has the potential to cause cancer in humans. Avoid high concentrations and prolonged exposure.

#### Signs and Symptoms of Exposure

Concentration	Symptoms
0.5 to 2 ppm	eyes, nose and throat irritation
3 to 5 ppm	tearing of the eyes
10 to 20 ppm	difficult breathing, nose and throat burning, cough, heavy tearing of the eyes
25 to 30 ppm	severe respiratory tract injury
100 ppm	immediately dangerous to life and health (IDLH)



#### Medical Conditions

Generally Aggravated by Exposure.

#### Emergency and First Aid Procedures

Seek medical attention if above referenced symptoms occur.

## Section VII - Precautions for Safe Handling and Use

#### Steps to Be Taken in Case Material is Released or Spilled

Not applicable to product in its' supplied form.

#### Waste Disposal Method

No special disposal methods are required.

#### Precautions to Be taken in Handling and Storing

No special precautions are required for products in their supplied form. Keep material in a cool, dry, and ventilated place. Clean site of airborne dust as it is created to minimize airborne dust and contaminant issues.

## Section VIII - Control Measures

#### Respiratory Protection (*Specify Type*)

No special handling precautions are required for products in their supplied form, though use of an acceptable NIOSH respirator is recommended to avoid inhalation of excess dust particles.

#### Ventilation

When milling, dust containment and adequate ventilation are requested.

#### Eye Protection

No special handling precautions are required for products in their supplied form, though use of protective eye protection is recommended when milling (cutting, shaping, etc.) to avoid discomfort and the potential of airborne dust to affect sight.

#### Other Protective Clothing or Equipment

No special protective clothing or equipment is required for products in their supplied form.

## Section IX – Toxicology Information

Not available for products in their supplied form

## Section X - Control Measures

Not available for products in their supplied form

## Section XI – Ecological Considerations

Not applicable.

## Section XII – Disposal Considerations

Follow applicable local, state, and federal guidelines for disposal.



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### Section XIII –Transportation Considerations

Not regulated as a hazardous material by the United States Department of Transportation in its supplied state.

### Section XIV –Additional information

IMPORTANT: The information and data included in this report is believed accurate, and has been compiled through information and testing created for the manufacturing facility producing said material, as well as through conversations with OSHA, as well as through OSHA's detailed technical manuals, and information provided by other technical experts. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable local, state, and federal regulations. **NOTE: Sustainable Flooring, Inc. makes no warranty, of any kind, express or implied, concerning the accuracy and completeness of the information contained within, and will not be liable for claims relating to any party's reliance on this information.**