Material Safety Data Sheet (MSDS) – SUBERWALL™

IDENTITY *(As Used on Label and List)*
Suberwall™

Section I

Supplier's Name:	Supplier's Contact Information:
Sustainable Materials LLC 5403 Western Ave #C Boulder, CO 80301	Ph: (720) 449-3063 Email: info@sustainablematerials.com
Emergency Telephone Number:	**Date Prepared**
(720) 449-3063	March 20, 2017

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 (solid)	18%	15 mg/m3 for total dust; 5 mg/m3 respirable fraction of wood dust[1]	1 mg/m(3) – for 8 hour work day[2]	NIOSH REL: 1 mg/m(3) – for 10 hour work day[3]
Cork (granulated)	28%	15 mg/m3 for total dust; 5 mg/m3 respirable fraction of wood dust[4]	1 mg/m(3) – for 8 hour work day[5]	NIOSH REL: 1 mg/m(3) – for 10 hour work day[6]
Wood Flour (in High Density Fiberboard)	50%	15 mg/m3 for total dust; 5 mg/m3 respirable fraction of wood dust[7]	1 mg/m(3) – for 8 hour work day[8]	NIOSH REL: 1 mg/m(3) – for 10 hour work day[9]
UMF Resin (Urea Melamine Formaldehyde; bonding agent in High Density Fiberboard)	2%	Not Listed	Not Listed	Not applicable
Polymerized Polyurethane binder (for bonding cork agglomerate)	2% by volume	Not Listed	Not Listed	Not applicable

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 [10]

Boiling Point	No Data	Density of HDF	800-950 kg/m3

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
Granulated natural cork products 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	Conditions to Avoid
Yes	Not applicable to product in its' supplied form.

Incompatibility *(Materials to Avoid)*
Not applicable

Hazardous Decomposition or Byproducts
Byproducts emitted by decomposition include carbon monoxide, carbon dioxide, aliphatic aldehydes, polycyclic aromatic hydrocarbons, rosin acids, and terpenes.

Section VI - Health Hazard Data

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,3 and recommends a limit of 1 milligram per cubic meter (mg/m 3) for hardwoods and 5 mg/m 3 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 3 , total dust (5 mg/m 3 , respirable fraction).

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Mouth, Skin, eyes	Yes	Yes	Yes

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 is 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.

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 Materials LLC 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.**