



## Material Data Safety Sheet (MSDS) PlybooStrand® Soybond™ Bamboo Plywood

### 1. PRODUCT IDENTIFICATION

**Product Name** Plyboo Soybond Strand Bamboo Plywood  
**Description** Unfinished Plyboo Soybond Strand bamboo panels  
 Synonyms: Bamboo paneling, bamboo architectural plywood, cabinetry, and furniture system

**Product Composition:** Timber bamboo (Moso) kiln dried and laminated to produce multi-ply plywood.

#### Manufacturer's Information:

**Manufacturer Name:** Smith & Fong Company, Inc.  
**Manufacturer Address:** 475 Sixth Street  
 San Francisco, CA 94103 USA  
**Emergency Phone:** (415) 896-0577  
**Additional Phone:** (866) 835-9859  
**Website:** [www.plyboo.com](http://www.plyboo.com)  
**Email:** sales@plyboo.com

### 2. INGREDIENTS

| Bamboo                        |         |                   |                    |                           |
|-------------------------------|---------|-------------------|--------------------|---------------------------|
| CAS#                          | Percent | Regulatory Agency | Exposure Limits    | Comments                  |
| None                          | 96-98   | OSHA              | PEL-TWA 15 mg/m3   | Total dust                |
|                               |         | OSHA              | PEL-TWA 5 mg/m3    | Respiratory dust fraction |
|                               |         | ACGIH             | TLV-TWA 3 mg/m3    | Respiratory dust fraction |
|                               |         | ACGIH             | TLV-TWA 10 mg/m3   | Inhalable particles       |
| Soy flour thermosetting resin |         |                   |                    |                           |
| CAS#                          | Percent | Regulatory Agency | Exposure Limits    | Comments                  |
| Proprietary                   | 1-3     | OSHA              | PEL-TWA 15 mg/m3   | Total dust                |
| Phenolic resin                |         |                   |                    |                           |
| CAS#                          | Percent | Regulatory Agency | Exposure Limits    | Comments                  |
| 9003-35-4                     | 1       | OSHA              | PEL-TWA 0.75ppm    | Free gaseous formaldehyde |
|                               |         | OSHA              | PEL-STEL 2.0ppm    | Free gaseous formaldehyde |
|                               |         | ACGIH             | TLV-Ceiling 0.3ppm | Free gaseous formaldehyde |

### 3. HAZARD IDENTIFICATION

**Appearance and Odor:** A natural or amber bamboo fiber with no, to a slight odor.

**Primary Health Hazards:** The health hazards of primary concern are exposure to dust particulate generated during machining, cutting, sanding, etc.

**Primary Route(s) of Exposure:** (X) Dust; (X) Inhalation: Dust or gas.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory conditions or allergies.

**Chronic Health Hazards:** Bamboo dust has not been associated with long-term chronic respiratory conditions.

### 4. EMERGENCY AND FIRST-AID PROCEDURES

**Ingestion:** Not applicable.

**Eye Contact:** Dust in eye should be treated as a foreign object; flush with water several times. If irritation persists, seek medical attention.

**Skin Contact:** Although not typical, contact dermatitis in sensitive individuals can occur. Frequent handling of product can cause skin dryness, slight abrasion, cuts or slivers. Hands should be washed after handling. Seek medical attention if needed.

**Skin Absorption:** Under normal use does not occur.

**Inhalation:** Highly sensitive individuals may experience respiratory difficulties. Bamboo dust can cause nasal irritation, cough or sneezing. Leave area and go to fresh air. Seek medical attention if respiratory difficulties or cough become severe, or nasal irritation persists.

## **5. FIRE AND EXPLOSION**

**Flash Point Method:** N/A

**Flammable Limits:** N/A

**Extinguishing Media:** Water, water fog, carbon dioxide, sand or dry chemical

**Autoignition Temperature:** Variable (400-500 F)

**Special Firefighting:** None.

**Unusual Fire/Explosion Hazards:** None.

## **6. ACCIDENTAL RELEASE MEASURES**

Dust generated from cutting, sanding and related machining may be shoveled or vacuumed and properly disposed of. A NOISH-approved dust respirator should be worn if dust exposure limits are exceeded.

## **7. HANDLING AND STORAGE**

Precautions to be taken in Handling and Storage: No special handling required in product purchase form. Product should be kept in cool, dry environment and not exposed to high heat or flame. Store in a well-ventilated area.

## **8. EXPOSURE CONTROL MEASURES**

### **Personal Protective Equipment:**

RESPIRATORY PROTECTION: Not required, however a NOISH-approved dust respirator is recommended for high dust producing activities.

PROTECTIVE GLOVES: Not required, however work gloves are recommended to avoid sliver and splinters from machining or handling product.

EYE PROTECTION: Not required, however eye protection when machining or milling any material is highly recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.

WORK/HYGIENE PRACTICES: Clean up dusty areas to avoid excess accumulation. Minimize practices that generate high air-borne dust particles.

### **Ventilation:**

LOCAL EXHAUST: Provide local exhaust as needed.

MECHANICAL: Good ventilation in processing and storage areas should be provided.

## **9. PHYSICAL/CHEMICAL PROPERTIES**

|                     |               |
|---------------------|---------------|
| Boiling Point:      | N/A           |
| Vapor Pressure:     | N/A           |
| Vapor Density:      | N/A           |
| Specific Gravity:   |               |
| Plyboo Sahara:      | 0.79          |
| Plyboo Havana:      | 0.90          |
| Plyboo Neopolitan:  | 0.86          |
| Melting Point:      | N/A           |
| Evaporation Rate    | N/A           |
| Solubility in Water | <0.1          |
| % Volatile by Vol   | 0             |
| Percent Moisture    | 6%-9% Average |

## **10. STABILITY AND REACTIVITY**

**Stability:** ( X ) Stable

**Conditions to Avoid:** Excessive moisture, condensation or water vapor. Open flame or conditions above 400 F.

**Incompatibility (Materials to Avoid):** Oxidizing agents.

**Hazardous Decomposition or By-Products:** None known.

**Hazardous Polymerization:** Will not occur.

**Sensitivity to Mechanical Impact:** N/A

**Sensitivity to Static Discharge:** N/A

#### **11. TOXICOLOGICAL INFORMATION**

**Carcinogenicity:** Bamboo dust is not associated with carcinogenicity.

**Reported Human Effects:** Dust generated from cutting of bamboo may cause eye, skin, or respiratory irritation.

#### **12. ECOLOGICAL INFORMATION**

Bamboo (Moso species) is a rapidly renewable product, and does not contribute to the diminishment of natural wood supplies.

#### **13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** In purchased product form, incineration is the preferred disposal method. Land disposal should be guided by RCRA criteria and local requirements, and determination made if considered hazardous waste.

#### **14. TRANSPORT INFORMATION**

Not regulated as a hazardous material by U.S. Department of Transportation.

Not listed as hazardous material in Canadian Transportation of Hazardous Goods regulations.

#### **15. REGULATORY INFORMATION**

**TSCA:** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA Inventory

**DSL:** All ingredients are listed or are not required to be listed under the Canadian Domestic Substance List.

**WHMIS Classification:** Not a controlled product

**State Right to Know:**

California Proposition 65: This product contains trace quantities of formaldehyde, which the state of California has found to cause cancer.

Massachusetts's Right-To Know, Substance List (MSL): Components present in this product at a level which could require reporting under the statute ( $\geq 0.0001\%$ ) are: Phenol Formaldehyde upper bound concentration = 0.025%

Pennsylvania Right-To-Know, Hazardous Substance List: Components present in this product at a level which could require reporting under the statute ( $\geq 0.01\%$ ) are: Phenol Formaldehyde upper bound concentration = 0.025%

**SARA Section 313 Information:** None

**SARA Section 311/312 Hazard Category**

NHH: Not a health hazard

HC-3: Not a fire hazard

#### **16. OTHER INFORMATION**

**HMIS Ratings:**

|              |   |                |
|--------------|---|----------------|
| Health       | 0 | Minimal hazard |
| Flammability | 1 | Slight hazard  |
| Reactivity   | 0 | Minimal hazard |

**USER RESPONSIBILITY:** The information contained in this MSDS comes from sources believed to be accurate or otherwise technically correct, and information from occupational health and safety professionals, and regulatory agencies. It is the user's responsibility to determine if this information is suitable for their applications, and to follow safety precautions as necessary. The user has the responsibility to make sure that this sheet is the most up-to-date initial or revision issue.

#### **Glossary of Acronyms and Terms**

|       |   |
|-------|---|
| ACGIH | American Conference of Government Industrial Hygienists             |
| C     | Ceiling limit   |
| CAS#  | Chemical Abstracts Numbering System                                 |
| DSL   | Canadian Domestic Substance List                                    |
| EPA   | U.S. Environmental Protection Agency                                |
| IARC  | International Agency for Research on Cancer                         |
| LCLo  | Lowest concentration in air resulting in death                      |
| LC50  | Administered dose resulting in death to 50% of experimental animals |
| LDLo  | Lowest dose resulting in death                                      |
| MSHA  | Mining Safety and Health Administration                             |
| ND    | Not determined  |
| N/A   | Not applicable  |
| NAV   | Not available   |

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|       |   |
|-------|---|
| NIOSH | National Institute for Occupational Safety and Health   |
| NTP   | National Toxicology Program                             |
| OSHA  | Occupational Safety and Health Administration           |
| PEL   | Permissible Exposure Level                              |
| PPM   | Parts of gas or vapor per million parts of air          |
| RCRA  | Resource Conservation and Recovery Act                  |
| SARA  | Superfund Amendments and Reauthorization Act            |
| STEL  | Short-Term Exposure Limit (15 minutes)                  |
| TDG   | Canadian Transportation of Dangerous Goods              |
| TCLo  | Lowest concentration in air resulting in a toxic effect |
| TDLo  | Lowest dose resulting in a toxic effect                 |
| TLV   | Threshold Limit Value                                   |
| TSCA  | Toxic Substance Control Act                             |
| TWA   | Time-Weighted Average (8 hours)                         |
| WHMIS | Workplace Hazardous Materials Information System        |