BALTEK® Rigid (RIGID) End-Grain Balsa Core Panels including Slope Tank Bottoms, Rigid Fillet Strips (FS), Flat Grain Balsa (TV Panels, Model Grade, Resin Bonded Balsa Blocks; Prosthetic Balsa Blocks; Balsa Lumber, SBA (SB.50, SB.100, SB.150, SBC.50, SBC.100, SBC.150, SL.45, SL.56, SL.67, SL.78, SL.89, SL.910, SL.1011, SL.1112, AL.1213, SL.1314, SL.1415, SL.1516, and WP, with either LamPrep (LP) or AL-600/10 (AL) surface finish)

Baltek Inc.
5240 National Center Dr.
High Point, North Carolina, 27235
USA

24-HOUR EMERGENCY TELEPHONE NO. 336-398-1900

THIS MATERIAL SAFETY DATA SHEET COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: BALSA WOOD SHEETS, PANELS AND BLOCKS
GENERAL OR GENERIC I.D.: Balsa Wood (Hardwood)
D.O.T. HAZARD CLASSIFICATION: ORM-C/No Label Required
INTERNATIONAL FIRE CODE CLASSIFICATION: Class III Commodity
NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) AND HMI/S/NAPIM (NATIONAL ASSOCIATION OF PRINTING INK MFRS.) CLASS:
    HEALTH (NFPA/HMIS): 0
    FLAMMABILITY (NFPA/HMIS): 1
    REACTIVITY (NFPA/HMIS): 0
    PERSONAL PROTECTION (HMIS): None Required
(Where 4 = Extreme; 3 = Severe; 2 = Moderate; 1 = Slight; 0 = None)

SECTION II - HAZARDOUS COMPONENTS

PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

However, cutting, milling, drilling, routing, sanding or otherwise abrading this material may render airborne components of the product which are subject to one or more of the following exposure limits:

Particles- N/A TWA=15 mg/m³ N/A
Not Otherwise Regulated

NOTE: ONLY THOSE INGREDIENTS THAT HAVE BEEN DETERMINED TO BE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200 ARE LISTED IN THIS SECTION. AN INGREDIENT MARKED WITH AN ASTERISK (*) IS ALSO LISTED IN 29 CFR 1910.1200 (D) #4 AS A KNOWN OR SUSPECTED CARCINOGEN. TO OUR KNOWLEDGE, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS SUBJECT TO SECTION 313 OF 40 CFR 372.

COMMENT: see SECTION V “HEALTH DATA” for specific exposure limits to the above hazardous component(s)

SECTION III - PHYSICAL DATA

PROPERTY           REFINEMENT       MEASUREMENT

BOILING POINT     For Component (100%) N/A
VAPOR PRESSURE    For Component (100%) Less than 1mm HG @ 68 Deg F (20 Deg C)
VAPOR DENSITY     Air = 1 Solid, N/A
PRODUCTS: BALTEK® Rigid (RIGID) End-Grain Balsa Core Panels including Slope Tank Bottoms, Rigid Fillet Strips (FS), Flat Grain Balsa (TV Panels, Model Grade, Resin Bonded Balsa Blocks; Prosthetic Balsa Blocks; Balsa Lumber, SBA (SB.50, SB.100, SB.150, SBC.50, SBC.100, SBC.150, SL.45, SL.56, SL.67, SL.78, SL.89, SL.910, SL.1011, SL.1112, AL.1213, SL.1314, SL.1415, SL.1516, and WP, with either LamPrep (LP) or AL-600/10 (AL) surface finish)

SECTION III - PHYSICAL DATA, CONTINUED

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>REFINEMENT</th>
<th>MEASUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIFIC GRAVITY</td>
<td></td>
<td>0.05 - 0.250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ 77 Deg F (25 Deg C)</td>
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<tr>
<td>PERCENT VOLATILE BY VOLUME (%)</td>
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<td>Less Than 1%</td>
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<tr>
<td>EVAPORATION RATE (ETHER = 1)</td>
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<tr>
<td>SOLUBILITY IN WATER BY WEIGHT (%)</td>
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<td>Less Than 1%</td>
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<tr>
<td>APPEARANCE, STATE, FORM</td>
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<td>Wood, Integral, Solid</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE & EXPLOSION DATA

FLASH-POINT (ASTM D1929): Greater Than 400 Deg F (200 Deg C)
AUTOIGNITION: Greater Than 450 Deg F (232 Deg C)
FLAMMABILITY LIMITS IN AIR: LOWER: Not Determined
                                      UPPER: Not Determined
EXPLOSIVE LIMITS IN AIR: For wood dust clouds: 40 grams/m³ (LEL)
HAZARDOUS DECOMPOSITION PRODUCTS: None Known To Baltek

EXTINGUISHING MEDIA: X WATER       X WATER FOG       X CO₂       X DRY CHEMICAL     ___ OTHER:

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn in a sustained fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Once ignited, product may punk until doused with water. As a result of machining, wood dust where generated is a strong to severe explosion hazard if a dust “cloud” contacts an ignition source (see EXPLOSIVE LIMITS IN AIR, above).

SECTION V - HEALTH DATA

EXPOSURE LIMITS: machining or otherwise abrading may render components of the product airborne which are subject to one or more of the following exposure limits:

1. See important footnote concerning OSHA PEL’s for wood dust

Wood Dust
OSHA PEL: TWA=15.0 mg/m³ (total dust); TWA=5.0 mg/m³ (respirable fraction)

Wood Dust (certain Hardwoods, such as beech and oak)
ACGIH TLV: TWA=1.0 mg/m³

(See Section VIII for proper protective wear, Section II for Hazardous Components.)

In AFL-CIO v. OSHA 965 F. 2d 962 (11th Cir. 1992), the court overturned OSHA’s 1989 Air Contaminant Rule, including the specific PEL’s for wood dust that OSHA had established at that time. The 1989 PEL’s were: TWA - 5.0 mg/m³ (all soft and hard woods, except Western Red Cedar: TWA - 2.5 mg/m³).

Wood dust is now officially regulated as an organic dust under the Particulates Not Otherwise Regulated (PNOR) or Inert or Nuisance Dust categories at PELs noted under the Health Effects Information section of this MSDS. However, a number of states have incorporated provisions of the 1989 standard in their state plans. Additionally, OSHA has announced that it may cite companies under the OSH Act General Duty Clause under appropriate circumstances with the 1989 PEL’s.
EFFECTS OF OVEREXPOSURE:  

For incidental wood dust

Eyes  
Can cause mild irritation, redness, tearing, blurry vision and transient mechanical irritation.  
Various species of wood dust can elicit an allergic contact dermatitis in sensitized individuals.

Skin  
Single, prolonged exposure (hours) or repeated, prolonged exposure may cause itching.

Breathing  
Excessive inhalation of dust from product can cause asphyxiation due to coating of lung tissues.  
May cause nasal dryness, irritation and obstruction.  Coughing, wheezing and sneezing; sinusitis  
and prolonged colds have also been reported.

Swallowing  
Not likely to occur.

FIRST AID:

If on skin  
Thoroughly wash area with soap and water when convenient to do so.  Do not rub or  
scratch irritated area.

If (dust) in eyes  
Flush with large amounts of water, lifting upper and lower lids occasionally.  Seek medical  
attention if irritation persists.

If swallowed  
If large quantities have been ingested, seek prompt medical attention.

If (dust) breathed  
If asphyxia is apparent, remove individual to fresh air.  If breathing is difficult, administer  
oxygen.  If breathing has stopped, give artificial respiration.  Keep person warm, quiet, and get medical attention.

PRIMARY ROUTES OF ENTRY:

INHALATION (of incidental dust)

EFFECTS OF CHRONIC EXPOSURE:

Wood dust, depending on species, may cause dermatitis on prolonged, repetitive contact; may cause  
respiratory sensitization and/or irritation.  The International Agency for Research on Cancer (IARC)  
classifies wood dust as a carcinogen to humans (Group 1, as of April 1995).  This classification is based  
primarily on IARC’s evaluation of the nasal cavities and paranasal sinuses associated with exposure to  
wood dust.  IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx,  
lung, lymphatic and hemapoietic systems, stomach, colon or rectum with exposure to wood dust.  The  
American Conference of Governmental Industrial Hygienists (ACGIH) classifies hardwood dust as a  
confirmed human carcinogen (Class A1, as of May 1996).
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SECTION VI - REACTIVITY DATA, CONT'D

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, traces of low molecular weight hydrocarbons and organic acids.

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: Broom or vacuum up.
LARGE SPILL: Broom or vacuum up.

WASTE DISPOSAL METHOD:
Baltek suggests that all local, state and federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. Contact Baltek Corporation if there are any disposal questions.

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES, CONT'D

D.O.T. (49 CFR 171.8)/E.P.A. (40 CFR 117) SPILL REPORTING INFORMATION:
HAZARDOUS SUBSTANCE: None
REPORTABLE QUANTITY: Does not apply.
CONCENTRATIONS OF HAZARDOUS SUBSTANCE: None
REPORTABLE QUANTITY OF PRODUCT: Does not apply.

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: Where use results in generation of dust from product, use of a dust/mist respirator with a NIOSH/MSMA approval of TC-21C-132 is recommended.

VENTILATION: Where use results in generation of dust from product, provide sufficient mechanical (general and/or local exhaust) ventilation or vacuum-assisted dust collection to prevent explosive concentrations of airborne dust from developing.

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED, CONTINUED

PROTECTIVE GLOVES: Only necessary for individuals with sensitization.

EYE PROTECTION: Goggles are recommended during fabrication or in those cases where use results in generation of dust.

OTHER PROTECTIVE EQUIPMENT: Normal work clothing covering arms and legs.
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SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Product is combustible. Use reasonable care and caution.

CAUTION LABEL: The U.S. Department of Labor Occupational Safety and Health Administration (OSHA) has determined that there is a sufficient workplace safety issue raised by the presence of certain amounts and types of wood dust and has established new rules addressing this issue. (Hazard Communication Standard - 29 CFR Parts 1910, 1915, 1917, 1918, 1926 and 1928). In accordance with these rules, and effective as of the date of this document issue, we must provide customers of all wood products which could produce wood dust during shipping or processing a Material Safety Data Sheet (herein) and a label (attached).

PREPARED BY: K.A. Feichtinger
LAST REVISION DATE: November 30, 2011
PREVIOUS REVISION DATE: January 25, 2011

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IMPORTANT: The information and data contained herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Baltek Inc. makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. Baltek Inc. will not be liable for claims relating to any party’s use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.
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 ALLERGIC EFFECTS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED WOOD DUST AS A NASAL CARCINOGEN IN HUMANS.

• Avoid dust contact with ignition source.
• Sweep or vacuum dust for recovery or disposal.
• Avoid prolonged or repeated breathing of wood dust in air.
• Avoid dust contact with eyes and skin.

• FIRST AID: If inhaled, remove to fresh air. In case of contact, flush eyes and skin with water. If irritation persists, call a physician.

For additional information, see the Material Safety Data Sheet.

November 30, 2011