

# Safety Data Sheet for BALTEK® SB, SBC, SL, VB, VBC, IG & WP, BALECO® IG & WP, Balsa Lumber

According to Regulations OSHA 29 CFR 1910.1200 (g) & GHS

Page 1 of 3

revised: April 21<sup>st</sup>, 2020  
GM--SDS-124

## 1. Identification of substance / preparation and of the company

End-Grain Balsa Core Materials, including BALTEK® SB, SBC, SL, VB and VBC (all densities), BALTEK® / BALECO® IG & WP, in all finishing formats, Balsa Lumber.

*Use of substance / preparation:* Core material in sandwich constructions

*Company identification:* Baltek Inc.  
5240 National Center Drive, Colfax, North Carolina, USA  
Tel +1 336 398 1900  
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## 2. Hazards identification

### Classification of the substance or mixture:

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

The above listed BALTEK Wood products are classified as not hazardous in the form in which they are shipped.

Depending on the downstream activities (e.g., cutting, sanding, milling) the produced wood dust can cause health and/or physical hazards.

Wood dust is known to cause irritation of skin, eyes, respiratory tract and may cause dermatitis or cancer of the nasal cavities and paranasal sinuses upon prolonged, repetitive contact and inhalation.

Wood dust may form combustible dust concentrations in air.

## 3. Composition / Information on ingredients

- Balsa Wood
- Poly (Vinyl Acetate) Adhesive
- Glass Fiber Scrim (for flexible formats)
- Cured thermosetting Vinyl Ester Resin Coating (for AL600 and SealX format)

## 4. First aid measures

*Inhalation of gases in case of fire:* Move victim to fresh air and obtain medical attention.

*Skin contact:* Single, prolonged exposure (hours) or repeated, prolonged exposure may cause itching. Obtain medical attention.

*Eye contact:* Flush with water if irritation develops.

*Ingestion:* No special measures required. Seek medical attention if symptoms develop.

## 5. Fire-fighting measures

*Specific hazards:* Once ignited, product will burn. Toxic gases contain Carbon Monoxide (CO) and Carbon Dioxide (CO<sub>2</sub>).

*Suitable extinguishing media:* Foam, water spray, dry chemical extinguishing powder, Carbon Dioxide.

Extinguishing media which must not be used: Direct water jet.

Use respiratory protection independent of recirculated air.

## 6. Accidental release measures

No special measures required.

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Page 2 of 3

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<b>7. Handling and storage</b>	
<i>Handling:</i>	No special measures required. Avoid generation or accumulation of dusts. Take precautionary measures against static discharges. Ground all equipment.
<i>Storage:</i>	Store away from immediate and dangerous sources of ignition.
<b>8. Exposure control / personal protection</b>	
<i>Exposure limit values (for particles):</i>	Not Otherwise Regulated: PEL TWA=15 mg/m <sup>3</sup> . Fiberglass Dust (CAS #65997-17-3) for CK Format: PEL TWA=10 mg/m <sup>3</sup> , TWA=5 mg/m <sup>3</sup> for respiration.
<i>Exposure controls:</i>	The use of gloves, protective goggles and dust masks (such as TC-21C-132 approved) is recommended for sawing, milling, grinding and sanding. 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.
<b>9. Physical and chemical properties</b>	
<i>Physical state / form:</i>	Wood, integral, solid.
<i>Colour:</i>	Tan to Brown.
<i>Melting temperature:</i>	Does not melt.
<i>Decomposition temperature:</i>	Greater than 450 °F (232 °C).
<i>Flash ignition temperature:</i>	Greater than 400 °F (200 °C).
<i>Density:</i>	50 - 250 kg/m <sup>3</sup> (ISO 845).
<i>Solubility: Insoluble in:</i>	Water, sea water, organic compounds.
<i>Soluble in:</i>	(Slightly) soluble in inorganic acids.
<b>10. Stability and reactivity</b>	
<i>General information:</i>	Stable under normal conditions and usage.
<i>Conditions to avoid:</i>	Temperatures above 400 °F (200 °C).
<i>Explosive limits in air:</i>	For wood dust clouds, 40 grams/m <sup>3</sup> (Lower Explosive Limit).
<i>Materials to avoid:</i>	Strong oxidizers can cause ignition and subsequent burning. Avoid exposure to open flame or excessive heat.
<i>Dangerous decomposition products:</i>	Carbon Monoxide (CO), Carbon Dioxide (CO <sub>2</sub> ), traces of low molecular weight hydrocarbons and organic acids.

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Page 3 of 3

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<p><b>11. Toxicological information</b></p> <p><i>Toxicological tests:</i> Natural product; none performed.</p> <p><i>Skin contact:</i> 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, hypo pharynx, lung, lymphatic and hemopoietic 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).</p> <p><i>Eye contact:</i> Dust may cause irritation.</p> <p><i>Inhalation:</i> Dust may cause irritation of respiratory tract.</p> <p><i>Ingestion:</i> Low toxicity, LD50 &gt; 2000 mg/kg</p>															
<p><b>12. Ecological information</b></p> <p><i>Eco toxicity:</i> Natural product, unlikely toxicity.</p> <p><i>Mobility:</i> Not soluble in water, therefore effects on groundwater are unlikely.</p> <p><i>Persistence and degradability:</i> Natural wood product, biodegradable.</p>															
<p><b>13. Disposal considerations</b></p> <p>Subject to legislation by local authorities, the product can be disposed of together with domestic refuse and industrial waste. Waste and residues can be incinerated in a plant equipped with flue gas washing, together with domestic waste.</p>															
<p><b>14. Transport information</b></p> <table border="0"> <tr> <td>Railroad</td> <td>RID</td> <td>No restriction.</td> </tr> <tr> <td>Road</td> <td>ADR</td> <td>No restriction.</td> </tr> <tr> <td>Sea</td> <td>IMDG Code</td> <td>No restriction.</td> </tr> <tr> <td>Air</td> <td>ICAO-TI/IATA-DGR</td> <td>No restriction.</td> </tr> <tr> <td>UN-Classification</td> <td></td> <td>Not required.</td> </tr> </table>	Railroad	RID	No restriction.	Road	ADR	No restriction.	Sea	IMDG Code	No restriction.	Air	ICAO-TI/IATA-DGR	No restriction.	UN-Classification		Not required.
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<p><b>15. Regulatory information</b></p> <p>BALTEK® SB, SBC, SL, VB and VBC (all densities), BALTEK® / BALECO® IG &amp; WP, Balsa Lumber and core materials are not classified as hazardous and therefore do not require labelling/markings under the following directives or are not subject/concerned by the following regulations:</p> <ul style="list-style-type: none"> <li>- Europe: Directive 67/548/EEG, ("DSD"), Directive 1999/45/EC, ("DPD"), Regulation (EC) No 1272/2008 ("CLP").</li> <li>- US: OSHA .29 CFR 1910.1200 and .49 CFR 171.8 (EPA 40 CFR 117) spill, leak and disposal.</li> <li>- US: California OEHHA Proposition 65 - none of 3A Composites Core Materials products contain Proposition 65 substances.</li> <li>- Canada: WHMIS and TDG.</li> </ul>															
<p><b>16. Other information</b></p> <p>This issue of the safety data sheet replaces the issue released on July 24<sup>th</sup>, 2019.</p> <p>The information given in this material safety data sheet is accurate to the best of our knowledge, but without any guarantee. It is given in good faith based on the current state of knowledge and experience. It is issued in respect of safety requirements and does not purpose to provide information on the quality of the material.</p>															