

Safe Use Instruction Sheet (SUIS) for BALTEK® SB, SBC, SL, VB, VBC, IG & WP, BALECO® IG & WP, Balsa Lumber

In line with Regulation (EC) No. 1907/2006 & GHS

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revised: June 16th, 2021
GM--SUIS-007

0. General information

According to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), GHS applies to pure substances and their dilute solutions and to mixtures. "Articles" as defined in the Hazard Communication Standard (29 CFR 1910.1200) of the Occupational Safety and Health Administration of the United States of America, or by similar definition, are outside the scope of the system.

Also the European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1st, 2007 does only require Material Safety Data Sheet (MSDS) for hazardous substances or preparations – not for articles.

All BALTEK® products meet the definition of "Article" under the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), the European Union (EU) Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Standard, United States (US) Occupational Health and Safety Administration (OSHA) Hazard Communication Standard, Canadian Workplace Hazardous Materials Information System (WHMIS) Regulation and Australian Work Health and Safety (WHS) Regulation.

Therefore, under normal usage of the AIREX® products, no Material Safety Data Sheet (MSDS) is legally required.

To support our customers with additional data on safe handling and use instructions for our manufactured articles this Safe Use Instruction Sheet was created

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
Fax +1 336 398 1901

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)

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<p>4. First aid measures</p> <p><i>Inhalation of gases in case of fire:</i> Move victim to fresh air and obtain medical attention.</p> <p><i>Skin contact:</i> Single, prolonged exposure (hours) or repeated, prolonged exposure may cause itching. Obtain medical attention.</p> <p><i>Eye contact:</i> Flush with water if irritation develops.</p> <p><i>Ingestion:</i> No special measures required. Seek medical attention if symptoms develop.</p>
<p>5. Fire-fighting measures</p> <p><i>Specific hazards:</i> Once ignited, product will burn. Toxic gases contain Carbon Monoxide (CO) and Carbon Dioxide (CO₂).</p> <p><i>Suitable extinguishing media:</i> Foam, water spray, dry chemical extinguishing powder, Carbon Dioxide.</p> <p>Extinguishing media which must not be used: Direct water jet.</p> <p>Use respiratory protection independent of recirculated air.</p>
<p>6. Accidental release measures</p> <p>No special measures required.</p>
<p>7. Handling and storage</p> <p><i>Handling:</i> No special measures required. Avoid generation or accumulation of dusts. Take precautionary measures against static discharges. Ground all equipment.</p> <p><i>Storage:</i> Store away from immediate and dangerous sources of ignition.</p>
<p>8. Exposure control / personal protection</p> <p><i>Exposure limit values (for particles):</i> Not Otherwise Regulated: PEL TWA=15 mg/m³. Fiberglass Dust (CAS #65997-17-3) for CK Format: PEL TWA=10 mg/m³, TWA=5 mg/m³ for respiration.</p> <p><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.</p>
<p>9. Physical and chemical properties</p> <p><i>Physical state / form:</i> Wood, integral, solid.</p> <p><i>Colour:</i> Tan to Brown.</p> <p><i>Melting temperature:</i> Does not melt.</p> <p><i>Decomposition temperature:</i> Greater than 450 °F (232 °C).</p> <p><i>Flash ignition temperature:</i> Greater than 400 °F (200 °C).</p> <p><i>Density:</i> 50 - 250 kg/m³ (ISO 845).</p> <p><i>Solubility:</i> <i>Insoluble in:</i> Water, sea water, organic compounds.</p> <p><i>Soluble in:</i> (Slightly) soluble in inorganic acids.</p>

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<p>10. Stability and reactivity</p> <p><i>General information:</i> Stable under normal conditions and usage.</p> <p><i>Conditions to avoid:</i> Temperatures above 400 °F (200 °C).</p> <p><i>Explosive limits in air:</i> For wood dust clouds, 40 grams/m³ (Lower Explosive Limit).</p> <p><i>Materials to avoid:</i> Strong oxidizers can cause ignition and subsequent burning. Avoid exposure to open flame or excessive heat.</p> <p><i>Dangerous decomposition products:</i> Carbon Monoxide (CO), Carbon Dioxide (CO₂), traces of low molecular weight hydrocarbons and organic acids.</p>															
<p>11. Toxicological information</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 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).</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 > 2000 mg/kg</p>															
<p>12. Ecological information</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>13. Disposal considerations</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>14. Transport information</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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15. Regulatory information

BALTEK[®] SB, SBC, SL, VB and VBC (all densities), BALTEK[®] / BALECO[®] IG & 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:

- Europe: Directive 67/548/EWG, ("DSD"), Directive 1999/45/EC, ("DPD"), Regulation (EC) No 1272/2008 ("CLP").
- US: OSHA .29 CFR 1910.1200 and .49 CFR 171.8 (EPA 40 CFR 117) spill, leak and disposal.
- US: California OEHHA Proposition 65 - none of 3A Composites Core Materials products contain Proposition 65 substances.
- Canada: WHMIS and TDG.

16. Other information

This is the first issue of the Safe Use Instruction Sheet (SUIS).

The information given in this document 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.