

Safety Data Sheet: CarbonBalsa

According to OSHA 29 CFR 1910.1200(g)

1. Identification

Carbon-Core CarbonBalsa Core including Ultra Lite, Standard Grade, Heavy Weight, and Pith Grade in all finishing formats (rigid, flexible, coated)

Recommended Use: Core material for composite sandwich construction

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2. Hazards Identification

Product contains no hazardous ingredients per 29 CFR 1910.1200. However processing this product (cutting, sanding, milling, routing, drilling) may result in airborne particles of the product subject to following exposure limit:

Ingredient: Wood particles, PEL: TWA = 15mg/m³

3. Composition/ Information on Ingredients

Balsa wood, Poly Vinyl Acetate adhesive, Fiberglass scrim (for Flexible finishing format), UV set epoxy resin coating (for Coated finishing format)

4. First-Aid Measures

Inhalation:	Evacuate individual to an area with fresh air. If difficulty in breathing persists, administer oxygen. If breathing stops or asphyxia is apparent, administer CPR and call for emergency assistance.
Skin Contact:	Flush with water or wash with soap and water. Do not blow off dust with compressed air. If melted EVA glue from scrim comes in contact with skin, do not pull from skin immediately. First cool with water and then remove glue. Prolonged exposure may cause itching. Seek medical attention if reaction occurs.
Eye Contact:	Flush eye, both upper and lower lid, with water. Seek medical attention if irritation persists.
Ingestion:	Drink water. If large quantities are ingested and symptoms develop, seek medical attention.

5. Fire-Fighting Measures

Hazards:	Product will burn when ignited and may smolder unless doused with water. Processing of material generated wood dust that can be a strong to severe explosion hazard if dust cloud is exposed to ignition source. Toxic gases include Carbon Monoxide and Carbon Dioxide. Flash point (ASTMD1929): > 400°F (204°C) Auto-ignition: >750°F (399°C)
Extinguishing Media:	Water, Water-fog, foam, Carbon Dioxide, dry chemical extinguishing powder. Do not use direct water jet.
Protective Equipment:	Self-contained breathing apparatus and protective clothing should be worn during a sustained fire.

6. Accidental Release Measures

No special measures required.

7. Handling and Storage

Handling:	Avoid generation or accumulation of dust. Protective equipment must be used if dust is created.
Storage:	Product should be stored in a cool, dry location. Store away from open flame, heat sources or other dangerous sources of ignition.

8. Exposure Controls/Personal Protection

Exposure Limit Values (for particles):	Wood particles Not Otherwise Regulated: PEL: TWA=15mg/m3 Fiberglass Dust (CAS #65997-17-3) for flexible finishing format: PEL TWA=10mg/m3, TWA=5mg/m3 for respiration
Exposure Controls:	Whenever use of the product results in creation of dust, such as during sawing, milling, grinding, or sanding, dust collection units (mechanical or vacuum) are recommended to prevent the potential accumulation of explosive airborne dust clouds and to decrease inhalation exposures. In addition, individual use of a dust/mist respirator with NIOSH/MSMA (TC-21C-132) approval, eye protection, gloves, and clothing covering the arms and legs are recommended.

9. Physical and Chemical Properties

Appearance:	Light brown, wood grain, solid
Specific Gravity:	0.13 to 0.18

10. Stability and Reactivity

Stability:	Stable under normal conditions and working temperatures
Reactivity:	Hazardous polymerization will not occur. Strong oxidizers can cause ignition and subsequent burning. Avoid exposure to open flame or excessive heat, temperatures above 400°F (200°C). For wood dust clouds, explosive limits in air are approximately 40 grams/m ³ (Lower Explosive Limit).
Other:	Dangerous decomposition products include Carbon Monoxide, Carbon Dioxide, organic acids, and traces of low molecular weight hydrocarbons.

11. Toxicological Information

Toxicological Tests:	None performed
Skin Contact:	May cause itching or allergic reaction in sensitive Persons after pro-longed exposure. Hardwood dust has been classified as a human carcinogen (Group 1, 4/1995) by the International Agency for Research on Cancer, such classification being based primarily on the evaluation of nasal cavities and para nasal sinuses . Similarly, the American Conference of Governmental Industrial Hygienists classifies hardwood dust as a confirmed carcinogen (Class 1A, 5/1996) . However, with the appropriate protective equipment, no information available to us suggests that any medical condition might be aggravated by exposure to this product.
Eye Contact:	Dust may cause irritation, redness, tearing.
Inhalation:	Dust may cause irritation of respiratory tract. Inhalation of excessive dust from product can cause asphyxiation due to coating of lung tissue; may cause nasal dryness, irritation and obstruction; coughing, sneezing may occur.
Ingestion:	Not likely to occur. No known adverse effects. Low toxicity, LD50 > 2000mg/kg.

12. Ecological Information

Ecotoxicity:	Natural product, not likely to be toxic.
Mobility:	Not soluble in water, not likely to effect groundwater.
Persistence and Degradability:	Natural product, biodegradable.

13. Disposal Considerations

Disposal should be in accordance with existing federal and local regulations.

14. Transport Information

Road: No restrictions.

Rail: No restrictions.

Air: No restrictions.

Sea: No restrictions.

15. Regulatory Information

None additional to be reported.

16. Other Information

The information contained herein is based on data considered to be accurate. While the information is believed to be reliable, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, **it is the user's obligation to determine the conditions for safe use of this product.**