



SAFETY DATA SHEET

Revised: March 19, 2015

Section 1 - Identification

Product Name: Hardwood Plywood bonded with an adhesive containing no formaldehyde

Synonyms: ApplePly®, ArmorCore®, Lightline, Stateline, Beaded, Coastline, Ambassador, Nova®, Project Hardwoods, ShortCutz®

Manufacturer: States Industries
P.O. Box 7037
29545 Enid Road East
Eugene, OR 97401

<u>Telephone Numbers:</u> (Monday-Friday 8 - 5 PST)	Emergency Number:	800-626-1981 (Safety Manager)
	Non-Emergency Number:	800-626-1981 (Quality Manager)

Recommended Use: Building Materials – Structural, Industrial, or Decorative
Restrictions on Use: None

Section 2 - Hazard(s) Identification

Under normal handling, the product is expected to pose low health hazards as the ingredients are firmly embedded in a wood matrix. However, sawing, sanding or machining wood products can generate dust. Wood dust may ignite or form explosive mixture with air in the presence of an ignition source. Also, the dusts generating from sawing, sanding, or machining of this product may post the health hazards described in this SDS.

GHS Classification:

Skin corrosion/irritation (Category 2)
Serious eye damage/irritation (Category 2B)
Sensitization, respiratory (Category 1)
Carcinogenicity – Wood dust¹ (Category 1A)

¹ U.S. Department of Health and Human Services, National Toxicology Program, 13th Report on Carcinogens, October 2, 2014

States Industries

Safety Data Sheet

GHS Label elements, including precautionary statements

Pictogram 

Signal word Danger

Hazard statements

H315 Causes skin irritation
H320 Causes eye irritation
H334 May cause allergies or asthma symptoms or breathing difficulties if inhaled
H350 May cause cancer

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P281 Use personal protective equipment as required.
P285 In case of inadequate ventilation wear respiratory protection.
P304 + P341 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 If exposed or concerned: Get medical advice/attention.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

NFPA Rating:

Health hazard 1
Fire 1
Reactivity 0

States Industries Safety Data Sheet

OSHA Hazards^{2,3}

1. *Wood dust becomes a potential health problem when wood particles from processes such as sanding and cutting become airborne. Breathing these particles may cause allergic respiratory symptoms, mucosal and non-allergic respiratory symptoms, and cancer. The extent of these hazards and the associated wood types has not been clearly established.*
2. *Exposure to wood dust has long been associated with a variety of adverse health effects, including dermatitis, allergic respiratory effects, mucosal and non-allergic respiratory effects, and cancer. Contact with the irritant compounds in wood sap can cause dermatitis and other allergic reactions. The respiratory effects of wood dust exposure include asthma, hypersensitivity pneumonitis, and chronic bronchitis.*

Hazardous not otherwise classified (HNOC) or not covered by GHS:

None known

Section 3 - Composition/information on ingredients

INGREDIENT NAME	CAS NUMBER	CONCENTRATION
Hardwood dust, various species	n/a	5–25 %

Section 4 - First-aid measures

General advice

Consult a physician. Show this safety data sheet to the physician in attendance. Relocate to a safe area away from the point of exposure.

Inhalation

If irritation occurs, remove to fresh air. Seek medical attention if symptoms or irritation persists, or if severe coughing or breathing difficulty occurs.

Skin contact

Wash thoroughly with soap and water consistent with good hygiene practice. Remove wood splinters. Get medical advice if rash or persistent irritation or dermatitis occurs or if splinter is not easily removed.

Eye contact

Immediately flush with copious amounts of water for at least 15 minutes, carefully lifting eyelid to expose the eye to contact with the water. Remove contact lens, if present, and repeat flush. If any symptoms or irritation persist, contact a physician.

² Occupational Safety & Health Administration, Safety and Health Topics- Wood Dust, <https://www.osha.gov/SLTC/wooddust/>

³ Occupational Safety & Health Administration, Wood Products, Woodworking eTool, https://www.osha.gov/SLTC/etools/woodworking/health_wooddust.html

States Industries

Safety Data Sheet

Ingestion

Not expected to be toxic by ingestion.

Section 5 - Fire-fighting measures

Condition of flammability

Flammability will depend upon duration of exposure to heat source and other variables. Keep away from heat/sparks/open flame/hot surfaces. No Smoking.

Suitable extinguishing media

Use carbon dioxide, sand, or water spray.

Special protective equipment for firefighters

Keep personnel removed from and upwind of fire. Wear full fire-fighting turn-out gear (full bunker gear). Use self-contained breathing apparatus to avoid exposure to the products of combustion. Cool planks with water spray. ASTM E-84 Flame spread: Class C (76-200).

Hazardous combustion products

Burning may release carbon monoxide, volatile organics (such as carbonyl and aliphatic acids), organic carbon, and polynuclear aromatic hydrocarbon compounds (PAHs).

Section 6 - Accidental release measures

Personal precautions

Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental precautions

Prevent further release of wood dust if safe to do so. Discharge into environment must be avoided.

Method and materials for containment and cleaning up

Sweep or vacuum up for recovery and disposal. Avoid creating dusty conditions whenever feasible. Maintain good housekeeping to avoid accumulation of dried wood dust on exposed surfaces as dried wood dust may pose a combustible dust hazard. Place recovered wood dust in a container for proper disposal.

Section 7 - Handling and storage

Precautions for safe handling

No smoking. Avoid contact with skin and eyes. Avoid inhalation of wood dust. Use personal protective equipment as required. Dust can form an explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated to keep airborne wood dust contaminant concentration levels below the OSHA PEL.

Conditions for safe storage

Keep away from ignition sources. Store in well-ventilated, dry place away from open flame. Wood dust may pose a combustible dust hazard.

**States Industries
Safety Data Sheet**

Section 8 - Exposure controls/personal protection

INGREDIENT NAME	CAS #	EXPOSURE LIMITS ⁴	
		OSHA PEL	ACGIH TLV
Hardwood Dust, various species	n/a	15 mg/m ^{3(T)} 5 mg/m ^{3 (R)}	1 mg/m ^{3(I)}

Personal protective equipment

Respiratory protections

Not normally needed. A NIOSH/MSHA-approved air-purifying respirator with a particulate filter should be used when airborne wood dust concentrations are expected to exceed exposure limits.

Hand protection

Wear leather gloves when handling plywood panels.

Eye protection

Wear safety glasses with side shields during manual or mechanical cutting or abrasion.

Engineering controls

Not needed in open spaces. Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining wood or wood products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding or machining this product. General dilution ventilation is recommended in processing and storage areas. Use wet methods, if appropriate, to reduce the generation of dust.

Section 9 - Physical and chemical properties

Appearance:	Light to dark wood color, dependent on wood species
Odor:	Wood odor, dependent upon wood species.
Odor threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable
Flash point:	572°F for wood
Evaporation rate:	Not applicable
Flammability (solid)	Not applicable

⁴ NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, <http://www.cdc.gov/niosh/npg/npgd0667.html>

(T)= Total Particulate; (R)= Respirable Particulate; (I)= Inhalable Particulate.

States Industries Safety Data Sheet

Upper/lower flammability or explosive limits:	Not applicable for hardwood plywood; 40g/m ³ (LEL) for wood dust
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	No data available
Solubility:	Insoluble
Partition coefficient; n-octanol/water:	Not applicable
Auto-ignition temperature:	Variable (typically 400–500°F)
Decomposition temperature:	No data available
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidizing properties	Not applicable

Section 10 - Stability and reactivity

Reactivity

None known; stable under normal conditions.

Chemical stability

Not applicable

Possibility of hazardous reactions

None known

Conditions to avoid

Avoid open flames or other ignition sources.

Incompatible materials

Oxidizing agents, open flame. Product may ignite in excess of 400°F

Hazardous decomposition products

Thermal and/or thermal oxidative decomposition can produce irritating and toxic particulate and gases, such as carbon monoxide, volatile organic compounds (VOCs, such as carbonyl and aliphatic acids), organic carbon, and polynuclear aromatic hydrocarbon compounds (PAHs).

Other decomposition products

No data available

Section 11 - Toxicological information

Acute toxicity

Oral LD50:	No data available
Inhalation LC50:	No data available
Dermal LD50:	No data available
Other information on acute toxicity:	No data available

States Industries Safety Data Sheet

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Eyes: No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

1. *International Agency for Research on Cancer (IARC)*
Wood dust- Group 1 (carcinogenic to humans based on sufficient evidence in humans). Furniture and cabinet-making- Group 1 (carcinogenic to humans).
Carpentry and joinery- Group 2B (possibly carcinogenic to humans).
2. *National Toxicology Program (NTP)*
Known to be human carcinogen (wood dust)

Reproductive toxicity

None listed

Teratogenicity

None listed

Specific target organ toxicity - single exposure (Globally Harmonized System)

Eyes, skin, respiratory system [Wood dust]

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

Eyes, skin, respiratory system. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer.

Aspiration hazard

Not an aspiration hazard.

Signs and symptoms of exposure

Inhalation of wood dust may cause nasal dryness, irritation, and obstruction. Coughing, wheezing, and sneezing; sinusitis and prolonged colds have also been reported. Depending on wood species, may cause respiratory sensitization and/or irritation.

Section 12 - Ecological information

Ecotoxicity (aquatic and terrestrial)

No data available

Persistence and degradability

No data available

States Industries

Safety Data Sheet

Bioaccumulation potential

No data available

Mobility in soil

No data available

Other adverse effects

An environmental hazard cannot be excluded in the event of improper handling or disposal.

Section 13 - Disposal considerations

Product

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

The information presented only applies to the material as supplied. The identification based on characteristics or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the materials generated to determine the proper identification and disposal methods in compliance with applicable regulations.

Contaminated packaging

Not applicable

Section 14 - Transport information

DOT (US)

UN No.	Not applicable
Class	Not applicable
Packing Group	Not applicable
Proper shipping name:	Hardwood plywood
Reportable quantity (RQ):	Not applicable
Marine pollutant:	No
Poison inhalation hazard:	No

IMDG

UN No.	Not applicable
Class	Not applicable
Packing Group	Not applicable
EMS No.:	Not applicable
Proper shipping name:	Hardwood plywood
Marine pollutant:	No

IATA

UN No.	Not applicable
Class	Not applicable
Packing	Not applicable
Proper shipping name:	Hardwood plywood

States Industries Safety Data Sheet

Section 15 - Regulatory information

OSHA Hazard Communication Rule, 29 CFR 1910.1200

Not considered hazardous in product form. See components listed in Section 8 with accompanying notes. The standard does not apply to “wood or wood products, including lumber which will not be processed, where the chemical manufacturer or importer can establish that the only hazard they pose to employees is the potential for flammability or combustibility (wood or wood products which have been treated with a hazardous chemical covered by this standard, and wood which may be subsequently sawed or cut, generating dust, are not exempted).”

SARA Title III Sect. 302 (EHS) / CERCLA Hazardous Substances

Product excluded from SARA regulations. This material contains no Reportable Quantity (RQ) Substances.

SARA Title III Sect. 313 Toxic Chemicals

Not applicable

SARA Title III Sect. 311/312 Hazard Classes

Not applicable

Massachusetts Right-to-Know Component

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at the de minimus concentration have been identified in Section 8 of the SDS.

Pennsylvania Right-to-Know Components

Components on the Pennsylvania Hazardous Substance List present at the de minimus concentration have been identified in Section 8.

New Jersey Right-to-Know Components

Wood dust appears on New Jersey's Environmental Hazardous substances list.

California Proposition 65 Components

Warning – Wood dust is listed as a substance known to the State of California to cause cancer.

Section 16 - Other Information

The contents of this Safety Data Sheet (SDS) are offered in good faith as typical values and not as production specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.