

SECTION 1. IDENTIFICATION

Product Name	AIRPLY®
Product Description	AIRPLY® is an ultra-light, rigid and balanced substrate manufactured from a thicker graphite enhanced expanded foam material bonded between an HDF or MDF thin face material using a proprietary resin based adhesive.
Identified Uses	Lightweight alternative to conventional substrates for re-manufacturing, lamination.
Manufacturer Information	Laminate Works, Inc. 1200 S 5th St, Kansas City, KS 66105 Tel: 913-281-7474

SECTION 2. HAZARDS IDENTIFICATION

Overview	AIRPLY® is a wood and foam product bonded by a resin based adhesive. The hazard information denoted applies only when the product is altered from its originally manufactured state by cutting, sawing, sanding, heating or other means of generating significant dust or fume.
Health Information	Because of the physical state of AIRPLY® no significant adverse health effects are anticipated. Dust or solid particles of AIRPLY® may cause eye irritation or injury due to machining, as with any other solid particle that may contact the eye. The dust or fumes caused by any mechanical action may cause eye and respiratory irritation. User proper eye protection and adhere to proper ventilation requirements. Repeated handling of AIRPLY® without proper protection may cause skin irritation.
Physical Hazard Information	AIRPLY® contains a flame retardant but should be protected from flames and other high-heat sources. Do not allow dust to accumulate during cutting or sawing and provide adequate ventilation to avoid fire hazard.

SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS

NAME	PRODUCT IDENTIFIER	%
Wood/Wood Dust	-	75-90
Propene nitrile, polymer with ethynylbenzene	9003-54-7	30-50
Styrene, polymers	9003-53-6	<8
Tetrafluoroethene	811-97-2	>2 - <5
Formaldehyde	50-00-0	< 0.1

SECTION 4. FIRST AID MEASURES

4.1. DESCRIPTIONS OF FIRST AID MEASURES

General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice

Inhalation

Obtain medical attention if breathing difficulty persists. When symptoms occur go into open air and ventilate suspected area.

Skin Contact

Remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion

Rinse mouth. Do not induce vomiting.
Obtain medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED

Symptoms/Injuries

Causes severe skin burns and eye damage. Causes serious eye damage. May cause drowsiness and dizziness.

Symptoms/Injuries After Inhalation

Inhalation may cause immediate severe irritation progressing quickly to chemical burns. May be corrosive to the respiratory tract. High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Injuries After Skin Contact

Causes severe irritation which will progress to chemical burns.

Symptoms/Injuries After Eye Contact

Causes severe irritation which will progress to chemical burns. Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion:

May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms

None known.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable Extinguishing Media

Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective, but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. EXTINGUISHING MEDIA

Precautionary Measures Fire

Exercise caution when fighting any chemical fire.

Firefighting Instructions

Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not breathe fumes from fires or vapors from decomposition.

Protection During Fire-fighting

Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear personal protective equipment. If significant dust is generated, wear respiratory protection.

General Measures

Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Use only non-sparking tools.

Methods of Containment

Remove mechanically with care. Pick up and retain for proper disposal. Avoid generating dust.

Emergency Procedures

Eliminate ignition sources. Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters.

SECTION 7. HANDLING AND STORAGE

Handling

Handling in accordance with appropriate safety equipment and good industrial hygiene. Keep away from high-heat, sparks or open flames. Product may emit fumes when heated to extreme temperatures. Use only with adequate ventilation.

Storage

Store indoors, flat, protected and raised from the ground or floor.
Store away from excessive heat, ignition sources and oxidizing agents. Store in cool dry area.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eyes

Wear appropriate protective eyewear.

Skin

Wear appropriate attire to prevent repeated skin contact and/or abrasions. Long sleeves and gloves are recommended.

Respiratory

Respiratory protection is not typically required. Wear suitable dust mask if large amount of dust is generated. Use sufficient ventilation to limit employee exposure especially when hot processing this material.

Engineering Controls

Ventilate storage and use areas to prevent accumulation of dust and fumes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Solid Board

Color

Multiple: Blue, Wood

Odor

None

Odor Threshold

Odorless

pH

Not available

Melting Point

Estimated at 194 – 266 °F

Freezing Point

Not applicable

Boling Point

Not applicable

Flash Point

Not applicable

Evaporation Rate

Not applicable

Flammability

Not expected to form explosive dust-air mixtures.

Explosion Limit Upper

Not determined

Vapor Pressure	Not applicable
Water Solubility	Insoluble in water
Auto-Ignition Temperature	Estimated at 500 °F
Explosive Properties	No
Oxidizing Properties	No

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical Stability	Thermally stable at recommended handling and storage conditions.
Possibility of Hazardous Reactions	Polymerization will not occur.
Conditions to avoid	Avoid extreme temperatures, direct sunlight and incompatible materials. Dust accumulation and sparks, open flames and high heat.
Incompatible Materials	Oxidizing materials, organic solvents, strong acids, aldehydes, amines, esters and liquid fuels.
Hazardous Decomposition Products	Decomposition may generate irritating fumes and potentially toxic gases.

SECTION 11. TOXICOLOGICAL INFORMATION

Summary	AIRPLY® is not considered to be toxic for humans or animals.
Acute Oral Toxicity	None known. Unlikely and low toxicity if swallowed.
Acute Dermal Toxicity	None Known. Unlikely and undetermined.
Acute Inhalation Toxicity	Dust may cause irritation to upper respiratory tract.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity AIRPLY® is not considered to be environmentally hazardous.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations Dispose of contents/container in accordance with local, regional, national and international regulations.

Handle empty containers with care because residual vapors are flammable.

Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with TDG Not regulated for transport

SECTION 15. REGULATORY INFORMATION

AIRPLY® is not a hazardous chemical product, does not contain chemicals at levels which require reporting under established statutes and contains no listed substances to cause cancer, birth defects or other reproductive harm, at levels which require a warning under such statutes.

No additional regulatory information is available

SECTION 16. OTHER INFORMATION

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