AlphaShield 510 AP4

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: AlphaShield 510 AP4
Common Name: Foil-Polyester-PSA Laminate
SDS Number: 1406
Revision Date: 8/30/2024
Product Description: Foil-Scrim-Polyester-PSA Laminate

Supplier Details:
Alpha Engineered Composites LLC.
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Lakewood, NJ 08701

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2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Health, Respiratory or skin sensitization, 1 Skin

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:
H317 - May cause an allergic skin reaction

GHS Precautionary Statements:
P264 - Wash _ thoroughly after handling.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Potential entry via inhalation of dust from machining or grinding.
Target Organs: Respiratory System
Inhalation: Dust generated during machining or grinding may cause respiratory irritation.
Skin Contact: Redness and possible rash; itching
Eye Contact: Dust may cause irritation.
Ingestion: Dust may cause irritation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

CAS#	%	Chemical Name:
65997-17-3		Fibrous Glass
7429-90-5		Aluminum Foil
25038-59-9		Polyester Non-Woven
9003-01-4		Acrylic Adhesive

4 FIRST AID MEASURES

Inhalation: Remove person to fresh air. If condition persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention if symptoms persist.
Eye Contact: Rinse with water. Seek medical attention if symptoms persist.
Ingestion: NA

5 FIRE FIGHTING MEASURES

Flash Point (Method Used): >250 °C by TOC
Extinguishing media: Dry chemical, foam, carbon dioxide (C02), water fog.
Unsuitable extinguishing media: None known.
Hazardous Decomposition Materials (Under Fire Conditions): Carbon monoxide, carbon dioxide, hydrogen, other undetermined compounds could be released in small quantities.
Special Fire Fighting Procedures: Fiberglass will not support combustion, but in a sustained fire, proper protection against products of combustion from the fuel and sizing/binder must be worn.
Special Protective Equipment for Fire-fighters: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. Wear positive pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes helmet, coat, pants, boots, and gloves).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Cleanup and Disposal of Spill: Sweep or gather up material and place in proper container for disposal or recovery. Use vacuuming or wet sweeping methods instead of dry sweeping.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with skin and eyes. Ensure good ventilation/exhaustion at the workplace. Wear suitable protective equipment, see Section 8.

Storage Requirements: Use may be at temperature extremes based on product data, but storage should be at ambient temperature. Store in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Local exhaust, dust collection. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: Respiratory Protection: If use or application of this product generates dust, use an appropriate NIOSH-approved particulate filter respirator.
Eye / Face Protection: Standard safety glasses with side shields.
Skin Protection: Use gloves to protect against physical irritation or injury if required by handling conditions. Cover as much of the exposed area as possible, with protective clothing. Vacuum equipment may be used to remove fibers from clothes. Work clothing should be laundered separately form other clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aluminized heat shield material with adhesive backing

Physical State:	Solid	**Odor:**	NA
Specific Gravity or Density:	2.2	**Freezing or Melting Point:**	NE
Boiling Point:	NA	**Vapor Density:**	NA
Vapor Pressure:	NA		
Potentia Hydrogenii:	NA		

10 STABILITY AND REACTIVITY

Reactivity: No reactivity.
Chemical Stability: Material is stable.
Conditions to Avoid: NE

Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition: CO, CO2, NOx, HCN
Hazardous Polymerization: Will Not Occur.

11 TOXICOLOGICAL INFORMATION

Acute toxicological data: There is no acute toxicological data available on this product. The oral, dermal, and inhalation acute toxicity are expected to be very low.
Information in the likely route of exposure & potential acute health effects:
Skin Irritation: Dusts from this product may cause temporary mechanical irritation to the skin.
Eye Irritation: Dusts from this product may cause temporary mechanical irritation to the eyes.
Inhalation: Dusts from this product may cause mechanical irritation of the nose, throat, and respiratory tract. Ingestion: Although ingestion is not likely to occur in industrial applications, accidental ingestion may cause irritation of the mouth and gastrointestinal tract.
Chronic Toxicity: No information available.
Delayed and immediate effects and also chronic effects from short and long-term exposure: There are no known health effects from the long term use or contact, with non-respirable fibers.
Short term exposure: No information available.

12 ECOLOGICAL INFORMATION

Ecotoxicity Effects: No information available
Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Results of PBT and vPvB assessment: No information available
Other adverse effects: Fiberglass is generally considered to be an inert solid waste. No special precautions are needed in case of a release or spill.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations.
Uncleaned packaging: Dispose of in accordance to all local, state, and/or national regislation. Empty containers should be recycled or disposed of through an approved waste management facility.

14 TRANSPORT INFORMATION

Not regulated for transport.

15 REGULATORY INFORMATION

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

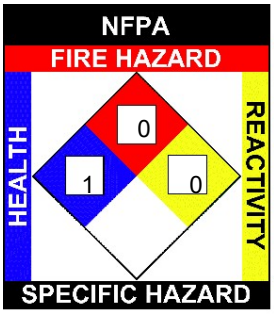
INTERNATIONAL REGULATIONS:
Canadian (DSL/NDSL): Article (exempt)
Australian (ACIS): Article (exempt)
Korea (KECI): Article (exempt)
Japan (ENCS, MITI): Article (exempt)
China (IECSC): Article (exempt)

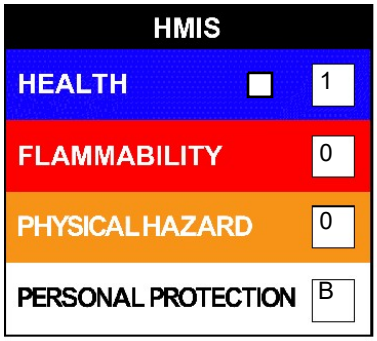
EU Directive 2011/65/EC (RoHS): Product is in compliance with the European Directive 2011/65/EC on Restriction on Hazardous Substances and the Chinese Administration Measure on the Control of Pollution Caused by Electronic Information.
EU REACH SVHC: Product is considered compliant with Regulation EC 1907/2006 or Registration, Evaluation, Authorization and restriction of Chemicals (REACH) legislation.

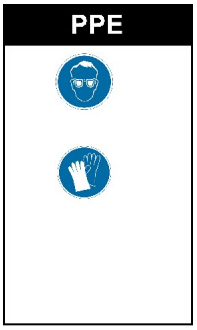
TSCA (Toxic Substances Control Act): All materials are listed or exempt from TSCA listing.
CERCLA (Comprehensive Emergency Response, Compensation, and Liability Act): N/A
SARA TITLE III (Superfund Amendments and Reauthorization Act): N/A
311/312 HAZARD CATEGORIES: None

16 OTHER INFORMATION

NFPA: Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 1, Fire = 0, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves







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