

Alpha Style 2025 9480

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Alpha Style 2025 9480
Common Name: Fiberglass-Foil Laminate
SDS Number: 0190
Revision Date: 02/20/2024

Supplier Details: Alpha Engineered Composites
LLC. 145 Lehigh Avenue
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2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Health, Specific target organ toxicity - Single exposure, 3
Health, Skin corrosion/irritation, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H335 - May cause respiratory irritation
H315 - Causes skin irritation

GHS Precautionary Statements:

P264 - Wash _ thoroughly after handling.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.

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: Dust may cause irritation.
Eye Contact: Dust may cause irritation.
Ingestion: N/A

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
-		Fibrous Glass
-		Aluminum Foil
-		Urethane Adhesive

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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:	N/A

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FIRE FIGHTING MEASURES

Flash Point (Method Used): >250 °C by TOC

Extinguishing media: Dry chemical, foam, carbon dioxide (CO₂), 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).

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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.

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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.

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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 from other clothing before reuse.

Control Parameters (Exposure Limits):

Component	Exposure limits	
	OSHA	ACGIH
Glass fiber	15 mg/m ³ TWA (total dust)	5 mg/m ³ (inhalable fraction)
	5 mg/m ³ TWA (respirable dust)	1 fiber/cm ³ TWA (respirable fraction)

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aluminized Fabric	Water Solubility:	No data available
Physical State:	Solid	Partition coefficient:	No data available
Specific Gravity or Density:	2.5	Auto-ignition Temperature:	No data available
Boiling Point:	No data available	Decomposition Temperature:	No data available
Vapor Pressure:	No data available		
Vapor Density:	No data available		
Specific Gravity:	No data available		

Chemical Stability: Material is stable.
Conditions to Avoid: None known.

Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition: CO, CO₂, NO_x, CN
Hazardous Polymerization: Will not occur.

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.

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.

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 legislation. Empty containers should be recycled or disposed of through an approved waste management facility.

Not regulated for transport.

International Chemical Inventories: Continuous filament glass fiber products are articles. Articles are exempted from registration or listing under chemicals inventories.

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 (RoHS 3): Product is in compliance with the European Directive (EU) 2015/863 on Restriction on Hazardous Substances.

EU REACH (240, Updated 01/2024) SVHC: Product is considered compliant with Regulation EC 1907/2006 or Registration, Evaluation, Authorization and restriction of Chemicals (REACH) legislation, including REACH Annex XIV ("Authorisation List") and REACH Annex XVII ("Restricted Substances").

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

Conflict Minerals: This product as formulated does not contain any of the "Conflict Minerals" originating from the Democratic Republic of the Congo or adjoining countries, which include Gold, Colombite-Tantalite (Tantalum), Casserite (Tin), and Wolframite (Tungsten).

Extended Minerals Reporting (RMI): This product as formulated does not contain any of the minerals listed under the list of "Extended Minerals" (Cobalt and Mica) provided by the Responsible Minerals Initiative.

Pilot Minerals Reporting (RMI): This product as formulated does not contain any of the minerals listed under the list of "Pilot Minerals" (Lithium and Nickel) provided by the Responsible Minerals Initiative.

California Proposition 65: This product does not contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

PBTs – On January 6, 2021, the U.S. Environmental Protection Agency (EPA) issued final rules under Section 6(h) of the Toxic Substances Control Act (TSCA) for five persistent, bio accumulative and toxic (PBT) chemicals: 2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP), Decabromodiphenyl ether (decaBDE), Hexachlorobutadiene (HCBd), Pentachlorothiophenol (PCTP), PIP (3: 1) Tris phosphate (isopropylphenyl). This product does not contain any of the bio accumulative and toxic (PBT) chemicals reported under the TSCA Inventory Notification (Active-Inactive).

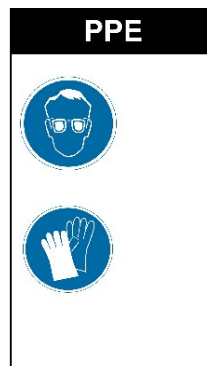
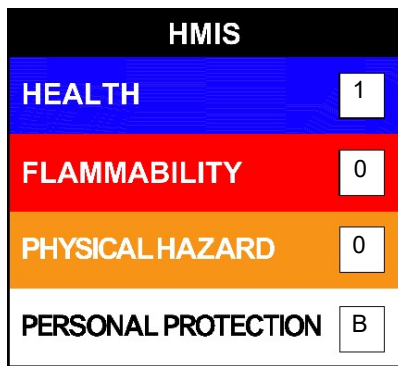
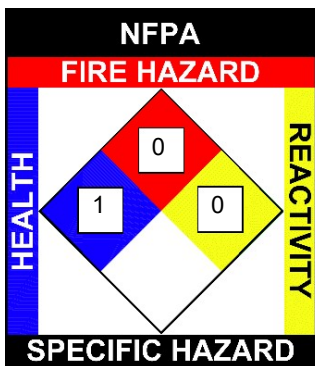
PFASs and PFOAs – Per- and polyfluoroalkyl substances (PFASs, also perfluorinated alkylated substances are synthetic organofluorine chemical compounds that have multiple fluorine atoms attached to an alkyl chain. This group of chemicals contains thousands of substances. They are persistent in nature and can cause severe health risks including various types of cancer. PFOA and PFOS belong to PFAS sub group of perfluoro surfactants. Perfluorooctanoic acid (PFOA) is a perfluorinated carboxylic acid used as industrial surfactant in chemical processes and as a material feedstock, PFOA molecule contains both hydrophilic, hydrophobic and lipophobic groups. Perfluorooctanesulfonic acid (PFOS) is a fluoro surfactant used earlier in numerous stain repellents. It was added to Annex B of the Stockholm Convention on Persistent Organic Pollutants in May 2009.

POPs – Regulation (EU) 2019/1021 about persistent organic pollutants (POPs) deals with the protection of the human health and the environment against these substances by a preferably early elimination of production or accordingly by the limitation to a minimum regarding manufacturing, placing on the market and usage of these substances. Furthermore, the regulation defines provisions about waste which consist of these substances, in which these substances are contained, or which are contaminated by these substances. Based on the verified information, we announce, to our best knowledge, the aforementioned Alpha products are in compliance with the POPs Regulation and do not contain substances subject to prohibitions listed in Annex I to Regulation (EU) 2019/1021 and amended 2020/784/EU. Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] – Not classified. This product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

The guidance above is based upon information provided by our raw material suppliers, knowledge of our products and process, and/or outside laboratory testing.

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OTHER INFORMATION



Disclaimer:

This SDS is prepared from information supplied by internal references within our company. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).