

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Design Engineering, Inc.
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Avon Lake, Ohio 44012
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Product: Aluminum with Glass Fabric
Date of Last Revision: 11/13/14

SECTION 2 HAZARDS IDENTIFICATION

* HAZARDOUS INGREDIENTS	CAS Number	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
-	-	-	-	-

*Substances listed in the hazardous Ingredients section are those that have been determined to be health hazards and are present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in the OSHA Hazard Communication Standard.

SECTION 3 COMPOSITION

Product Ingredients	CAS Number	TLV / PEL
Aluminum Foil	7429-90-5	-
Glass Fiber	65997-17-3	15.0 mg/m ³
Polymeric Adhesive	N/A	No Information

SECTION 4 FIRST AID MEASURES

Inhalation: Product cannot be inhaled in its normal form. If abnormal use creates dust, wear a NIOSH/OSHA approved respirator.

Skin: Direct contact can cause mechanical irritation. Not likely to be absorbed through skin.

Eyes: Direct contact will cause mechanical irritation. Irrigate immediately with water for at least 15 minutes. Seek medical attention.
Ingestion: Not likely to occur under normal conditions.
Signs and Symptoms of Exposure: None known.
Medical Conditions Generally Aggravated by Exposure: None Known.

SECTION 5 FIRE FIGHTING PROCEDURES	
FLASH POINT (METHOD USED) Not Applicable	FLAMMABLE LIMITS LEL: Not applicable UEL: Not applicable AUTOIGNITION TEMPERATURE: Not applicable
GENERAL HAZARDS: Fires involving this product should be fought while wearing self-contained breathing apparatus.	
EXTINGUISHING MEDIA: Foam, dry chemical, fog or water.	
FIRE FIGHTING PROCEDURES: Firefighters must wear full facepiece self-contained breathing apparatus in positive pressure mode.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: None	

SECTION 6 ACCIDENTAL RELEASE MEASURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Not Applicable

SECTION 7 HANDLING AND STORAGE
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: No special requirements. Protect product from mishandling.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION	
ENGINEERING CONTROLS	
Ventilation:	Not Required for normal use.
PERSONAL PROTECTION	
RESPIRATORY PROTECTION	None required under normal use. If abnormal use creates dust, wear a NIOSH/OSHA approved respirator.
SKIN PROTECTION	Not normally required.
EYE PROTECTION	Not normally required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
VAPOR PRESSURE (MM Hg) Not applicable	VAPOR DENSITY (AIR = 1) Not applicable
SPECIFIC GRAVITY (Water = 1) Not Determined	EVAPORATION RATE (WATER = 1) Not applicable
SOLUBILITY IN WATER Insoluble in Water	FREEZING POINT Not applicable
Odor No Odor	APPEARANCE AND ODOR Aluminum Foil / Glass Fabric Lamination
BOILING POINT Not applicable	PHYSICAL STATE Solid

SECTION 10 STABILITY AND REACTIVITY	
STABILITY	STABLE
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Under fire conditions, products will decompose and produce formic and acetic acid, acetaldehyde, acrolein, nitrogen oxides, carbon monoxide, carbon dioxide, and other organic vapors.	
HAZARDOUS POLYMERIZATION Should not occur under normal use.	

SECTION 11 TOXICOLOGICAL INFORMATION	
Not Available	

SECTION 12 ECOLOGICAL INFORMATION	
Not Available	

SECTION 13 DISPOSAL CONSIDERATIONS	
Disposal Method: In accordance with applicable, local, state and federal regulations.	

SECTION 14 TRANSPORT INFORMATION	
DOT Information: Not Regulated by DOT	

SECTION 15 REGULATORY INFORMATION	
Not Available	

SECTION 16 OTHER INFORMATION				
HMIS HAZARD RATINGS	HEALTH	0	0=INSIGNIFICANT	3=HIGH
	FLAMMABILITY	1	1=SLIGHT	4=EXTREME
	REACTIVITY	0	2=MODERATE	
NFPA RATINGS	HEALTH	0		
	FLAMMABILITY	1		
	REACTIVITY	0		

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