



MATERIAL SAFETY DATA SHEET

MSDS019

SECTION I - PRODUCTION IDENTIFICATION

Z-FLEX™ MLA ALUMINIZED PRODUCTS

MANUFACTURER:

NEWTEX INDUSTRIES, INC.
8050 Victor-Mendon Road
Victor, New York 14564
(585) 924-9135

Date: 3/9/12

Prepared by: Quality Department

SECTION II - INGREDIENTS

The above products are considered "articles" according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and, as such, are exempt from the Material Safety Data Sheet provisions of 29 CFR 1910.1200(G)(6). As a service to the customer, Newtex Industries Inc. has prepared this Material Safety Data Sheet to provide appropriate safety and handling information. These products are considered non-hazardous when used according to accepted practices for the intended use.

<u>COMMON NAME:</u>	<u>CAS No.</u>	<u>WT.%</u>
Base Fabric		75-97%
Aluminized Film		1-2%
Resin (epoxy, acrylic, polyurethane or polyester)	Mixture	3-19%
Decabromodiphenyl Oxide	1163-19-5	>1-4%
Antimony Trioxide	1309-64-4	>1-2%

SECTION III - HAZARD IDENTIFICATION

Emergency Overview

No unusual conditions are expected from this product.
Fiberglass may cause mechanical irritation to the skin, eye, and upper respiratory tract.

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PRIMARY ROUTES OF ENTRY:

Inhalation: Vapors from burning may be irritating to the respiratory tract or cause narcosis with symptoms of headache, dizziness and nausea; allergic-type of sensitization may occur with inhalation, causing symptoms of wheezing and shortness of breath. Breathing dusts and fibers may cause short-term mechanical irritation of the nose, throat and upper respiratory tract.

Skin: Short contact with human skin is not likely to produce skin irritation. Repeated prolonged contact can induce mild irritation. This product is not likely to be absorbed through human skin.

Eyes: May cause a physical irritation to the eye.

Ingestion: Although not likely to occur in industrial applications, accidental ingestion may cause irritation of the mouth and gastrointestinal tract.

CARCINOGENICITY: This product is not known as a carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory or skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to this product.

SECTION IV – FIRST AID

INHALATION: Move the person to fresh air. Seek medical attention if irritation persists.

SKIN: Wash any material off skin with mild soap and cool water. Do not rub or scratch irritated areas. This may force fibers into the skin. Seek medical attention if irritation persists. If molten material comes in contact with skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for burn.

EYES: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.

INGESTION: Not expected to occur. Should ingestion take place, the person should be watched for several days to ensure intestinal blockage does not occur.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):	N/A
FLAMMABLE LIMIT:	LEL: N/A UEL: N/A
AUTO IGNITION TEMPERATURE:	N/A
UNUSUAL FIRE AND EXPLOSIVE HAZARDS:	None
EXTINGUISHING MEDIA:	Water, spray, and foam. Water is the best extinguishing medium.
SPECIAL FIRE FIGHTING PROCEDURES:	In a sustained fire, proper protection against

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HAZARDOUS COMBUSTION PRODUCTS:

products of combustion must be worn. Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire. May produce carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen cyanide and hydrocarbon fragments if burned.

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Land Spill: Material is a solid. Pick up the larger pieces and wet sweep or vacuum up any scrapes. Place in a suitable container for disposal as a non-hazardous waste.
- Water Spill: This material will sink and disperse along the bottom of waterways and ponds. Large pieces should be removed and placed in a suitable container for disposal. Smaller pieces cannot be easily removed after it is waterborne; however, the material is non-hazardous in water.
- Air Release: The material will settle out of the air where it can be cleaned as a land spill.

SECTION VII – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING:

For maximum comfort, avoid excessive contact with skin and use good personal hygiene.

OTHER PRECAUTIONS:

If excessive dust is generated, use a respirator approved by NIOSH for dust. This material is not an electrical conductor and may accumulate static charge.

STORAGE TEMPERATURE:

N/A

STORAGE PRESSURE:

N/A

GENERAL:

Store in cool, dry area away from moisture, excessive heat and sources of ignition.



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SECTION VIII – EXPOSURE CONTROL/ PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>COMMON NAME:</u>	<u>OSHA PEL</u> 8-hr TWA	<u>ACGIH TLV</u> 8-hr TWA
Base Fabric	See appropriate MSDS	
Resin (epoxy, acrylic, polyurethane or polyester)	NE	NE
Decabromodiphenyl Oxide	NE	NE
Antimony Trioxide	0.5 mg/m ³	0.5 mg/m ³

NE – Not established

OSHA = Occupational Safety and Health Administration

ACGIH = American Conference of Governmental Industrial Hygienists

PEL = Permissible Exposure Limits

TLV = Threshold Limit Value

VENTILATION: Use local exhaust or general room dilution to maintain employee exposures below occupational exposure limits.

SPECIAL: None

MECHANICAL: None

OTHER: None

RESPIRATORY PROTECTION: If the use or manufacturing of this product generates high dust levels, use a properly fitted NIOSH/MSHA approved disposable respirator such as 3M model 8210 (or 3M model 8271 in high humidity environments). Always use a respirator in accordance with your company’s respiratory protection program, local regulations, and OSHA regulation 29CFR1910.134.

PROTECTIVE GLOVES: Not required, but gloves and barrier creams can be used to protect against mechanical irritation of the hands.

EYE PROTECTION: As generally good practice, safety glasses with side shields should be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required. Good personal hygiene, barrier creams, caps, coveralls, loose fitting long sleeve shirt that covers to the base of the neck and long pants will maximize comfort. Skin irritation is known to occur chiefly at pressure points such as around the neck, wrist, waist, and between fingers.

WORK HYGIENIC PRACTICES: Handle using good industrial hygiene and safety practices. Wash thoroughly with mild soap and cool water after handling of the material. Remove material from clothing using vacuum equipment (never used compressed air). Always wash work cloths separately from other clothing. Wipe out washer or sink to prevent loose glass fibers from getting on other clothing. Keep the work area clean of dusts and fibers released during processing or fabrication. Use vacuum equipment to clean up product. Avoid dry sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air. Have access to a shower and eye wash station.

SECTION IX - PHYSICAL DATA

BOILING POINT:	Not Applicable
MELTING POINT:	>~500°F (260°C)
FREEZING POINT:	Not Applicable
SPECIFIC GRAVITY RANGE (H ₂ O=1):	1.2-1.4
pH:	Not Applicable
VISCOSITY:	Not Applicable
SOLUBILITY IN WATER:	Insoluble
PERCENT VOLATILE BY VOLUME:	<2.2%
VAPOR DENSITY (Air=1):	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable
EVAPORATION RATE (Butyl Acetate=1):	Not Applicable
PHYSICAL STATE:	Solid
APPEARANCE AND ODOR:	Coated film, silver in color. Slight to no odor.

SECTION X - REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Heat, sparks, open flame
INCOMPATIBILITY:	Oxidizers, strong acids & bases, amines, ammonia, pyridines, potassium t-butoxide

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May produce carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen cyanide and hydrocarbon fragments if burned.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

CARCINOGENICITY: The table below indicates whether or not each agency has listed each ingredient as a carcinogen.

INGREDIENT	ACGIH	IARC	LD50 (Oral Rat) ND
Decabromodiphenyl Oxide		2B	>2000 mg/kg
Antimony Oxide	A2	2B	>20,000 mg/kg



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ACGIH: Classified A2 - Suspected for human carcinogen.

IARC: Group 2B - Possible human carcinogen

There are no known chronic health effects connected with long-term use or contact with Z-FLEX™ MLA ALUMINIZED PRODUCTS.

SECTION XII - ECOLOGICAL INFORMATION

Z-FLEX™ MLA ALUMINIZED PRODUCTS are generally considered to be an inert solid waste. This material is not expected to cause harm to animals, plants or fish. No special precautions are needed in case of a release or spill.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, and local environmental control regulations. Dispose of as any other innocuous material. Product is not a hazardous waste under RCRA 40 CFR 261.

SECTION XIV - TRANSPORTATION INFORMATION

DOT SHIPPING NAMES:	Not regulated
HAZARD CLASS OR DIVISION:	None
SECONDARY:	None
IDENTIFICATION NUMBER:	None
PACKING GROUP:	None
LABEL(S) REQUIRED (if not excepted):	None
SPECIAL PROVISIONS:	None
PACKAGE EXCEPTIONS:	None
NON-BULK PACKAGING:	None
BULK PACKAGING:	None
EPA HAZARDOUS SUBSTANCES:	None
REPORTABLE QUANTITY:	Not Applicable
QUANTITY LIMITATIONS:	
PASSENGER AIRCRAFT:	None
CARGO AIRCRAFT:	None
MARINE POLLUTANTS:	None
FREIGHT DESCRIPTION:	None

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HAZARDOUS MATERIAL SHIPPING DESCRIPTION: None

TRANSPORTATION OF DANGEROUS GOODS – CANADA

DOT SHIPPING NAMES: Not regulated

TDG HAZARD CLASSIFICATION

PRIMARY: None

SECONDARY: None

IMO CLASSIFICATION: None

ICAO/IATA CLASSIFICATION: None

PRODUCT IDENTIFICATION NUMBER: None

PACKING GROUP: None

CONTROL TEMPERATURE: None

EMERGENCY TEMPERATURE: None

SCHEDULE XII QUANTITY RESTRICTIONS: None

REPORTABLE QUANTITY FOR US SHIPMENTS: None

IATA PACKAGING INSTRUCTIONS

PASSENGER/CARGO: None

CARGO ONLY: None

LIMITED QUANTITY: None

MAXIMUM NET QUANTITY PER PACKAGE

PASSENGER/CARGO: None

CARGO ONLY: None

LIMITED QUANTITY: None

SPECIAL PROVISIONS: None

None

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: Portions of this product may be listed on the TSCA inventory.

SARA TITLE III

Hazard Categories:

Acute Health: No

Chronic Health: No

Fire Hazard: No

Pressure Hazard: No

Reactive Hazard: No

Reportable Ingredients:

Section 311/312: Portions of this product may be listed.

Section 313: Portions of this product may be listed.

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CERCLA HAZARDOUS SUBSTANCE: Not listed

CLEAN AIR ACT: No ingredient is listed

NSR STATUS (CANADA): Each ingredient is on the DSL (Domestic substance list)

WHMIS (CANADA) STATUS: Not Controlled
WHMIS Classification(s): None

Z-FLEX™ MLA ALUMINIZED PRODUCTS are considered articles, therefore are exempt from the following requirements:

USA: TSCA – Toxic Substances Control Act
EUROPE: EINECS – European Inventory of Existing Commercial Chemical Substances
CANADA: DSL – Domestic Substance List
AUSTRALIA: AICS – Australian Inventory of Chemical Substances
KOREA: ECL (KECI) – Korean Existing Chemical Inventory

JAPAN: MITI (ENCS) – Existing and New Chemical Substances
PHILIPPINES: PICCS – Philippines Inventory of Chemicals and Chemical Substance

SECTION XVI – OTHER INFORMATION

NFPA HAZARD RATINGS

NFPA Rating

Health: 1
Flammability: 0
Reactivity: 0
Unusual Hazards: None

* Personal protective equipment requirements must be supplied by the user depending upon use.

The information herein is given in good faith, but no warranty, expressed or implied is made and we assume no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.