



# Safety Data Sheet\*

Trade Name: 181BFX Foil Tape

Issued Date: 5/29/2015

\* Be advised that this is a modified Safety Data Sheet (SDS) due to the nature of the product(s) provided to be an "Article". "Articles" are not subject to the Occupational Safety and Health (OSHA) Administration's Hazard Communication Standard, 29 CFR 1910.1200(b)(6)(v). This standard (section 1200(c)) defines that an "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical, and does not pose a physical or health risk to employees.

## Section 1 Identification of Product and Company

**Product Trade Name:** 181BFX

**Description/Recommended Use:** Metallized Polyester Tape / HVAC Insulation and Seaming

**Supplier:** Electro Tape Specialties, Inc. • 13221 Byrd Drive • Odessa, FL 33556

**Telephone & Fax Number:** T800-999-2218 • F813-999-2272

## Section 2 Hazard Identification

<b>EU Main Hazards</b> Not classified as hazardous.	
<b>Routes of Entry :</b>	Inhalation – Skin Contact.
<b>Carcinogenic Status:</b>	See Section 11 for Information
<b>Target Organs:</b>	Skin
<b>Health Effects - Eyes :</b>	Contact may cause irritation due to mechanical abrasion.
<b>Health Effects - Skin :</b>	Prolonged repeated contact with adhesive may cause skin irritation.
<b>Health Effects - Ingestion :</b>	Not an expected route of entry during normal handling and use.
<b>Health Effects - Inhalation :</b>	Not expected cause irritation during normal handling and use.

## Section 3 Composition / Information on Ingredients

<b>Ingredient :</b>	<b>C.A.S. No.</b>	<b>Concentration</b>	<b>R Phases</b>	<b>Classification</b>
Polymers and Resins	N.A.	>50%	None	None
Inorganic Compound(s)	N.A.	<30%	None	None
Titanium Dioxide	13463-67-7 236-675-5	<2%	None	None
Quartz	14808-60-7 238-878-4	<1%	None	None

## Section 4 First Aid Measures

<b>Inhalation :</b>	Remove person to fresh air. Seek medical attention if symptoms persist.
<b>Skin Contact:</b>	Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.
<b>Eye Contact:</b>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
<b>Ingestion :</b>	Obtain medical attention immediately.

<b>Section 5</b>	<i>Fire-Fighting Measures</i>
<b>Extinguishing Media:</b>	Water spray, carbon dioxide and dry chemical.
<b>Unusual Fire &amp; Explosion Hazards:</b>	May release hazardous vapors during a fire.
<b>Protective Equipment for Fire-Fighting:</b>	Wear full protective clothing and self-contained breathing apparatus.

<b>Section 6</b>	<i>Accidental Release Measures</i>
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No specific measures necessary. Prevent the material from entering drains or watercourses.

<b>Section 7</b>	<i>Handling and Storage</i>
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Keep away from heat and sources of ignition. Exposure to high heat or flames can release irritating and toxic fumes. Storage area should be cool, dry, well-ventilated, and away from incompatible materials.

<b>Section 8</b>	<i>Exposure Controls and Personal Protection</i>
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**Occupational Exposure Standards: Exposure limits are listed below, if they exist.**

<b>Polymers and Resins:</b>	None established.
<b>Inorganic Compounds:</b>	None established.
<b>Quartz:</b>	ACGIH: TLV for Quartz (silica-crystalline) is 0.025mg/m <sup>3</sup> measured as respirable fraction of the aerosol
<b>Titanium Dioxide :</b>	ACGIH TLV: 10mg/m <sup>3</sup> TWA OSHA PEL: 15mg/m <sup>3</sup> TWA (total dust)
<b>Engineering Control Measures:</b>	No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.
<b>Respiratory Protection:</b>	Respiratory protection not normally required.
<b>Hand Protection:</b>	Not required under normal conditions of use. However, care should be taken to avoid contact with the adhesive.
<b>Eye Protection:</b>	Safety glasses.
<b>Body Protection:</b>	Normal work wear.

<b>Section 9</b>	<i>Physical and Chemical Properties</i>
<b>General Physical Form:</b>	Polymer and cloth backing with PSA adhesive and polymer release liner
<b>Specific Physical Form:</b>	Solid Material - Roll of Tape
<b>Odor, Color:</b>	Slight solvent odor
<b>pH:</b>	Not applicable
<b>Specific Gravity:</b>	No Data Available
<b>Boiling Range/Point:</b>	Not applicable
<b>Melting Point:</b>	Not applicable
<b>Flash Point:</b>	Not known
<b>Explosion Limits:</b>	No Data Available
<b>Vapor Pressure:</b>	Not applicable
<b>Density:</b>	No Data
<b>VOC (g/l):</b>	< 1g/l
<b>Solubility in Water:</b>	Not Known
<b>Vapor Density (Air=1):</b>	Not applicable

<b>Section 10</b>	<i>Stability and Reactivity</i>
<b>Stability :</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	Heat and High Temperatures
<b>Materials to avoid:</b>	Strong oxidizing agents, acids, and bases
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Oxides of carbon, unknown hydrocarbons, aldehydes, acrolein, oligomers, irritating fumes and formaldehyde

<b>Section 11</b>	<i>Toxicological Information</i>
<b>Acute Toxicity :</b>	No relevant studies identified.
<b>Specific Target Organ Systemic Toxicity:</b>	Single & repeat: No relevant studies identified
<b>Serious Eye Damage / Eye Irritation:</b>	May cause irritation due to mechanical abrasion.
<b>Skin Corrosion / Irritation:</b>	May cause slight irritation on prolonged, repeated contact.
<b>Respiratory or Skin Sensitization:</b>	No relevant studies identified
<b>Carcinogenicity:</b>	<b>Titanium Dioxide:</b> IARC Overall Evaluation is 2B (Possibly carcinogenic to humans) IARC conclusions are based on evidence showing that high concentrations of pigment-grade (powdered) and ultrafine titanium dioxide dust caused respiratory tract cancer in rats exposed by inhalation and intratracheal instillation. Human studies conducted so far do not suggest an association between occupational exposure to titanium dioxide and an increased risk for cancer. Since this product is an adhesive, the titanium dioxide is no longer in a dust form. <b>For "inhalable" crystalline silica (quartz):</b> IARC Overall Evaluation is 1 (carcinogenic to humans), the quartz in this formulation is in an adhesive matrix and is not expected to be "inhalable"
<b>Germ Cell Mutagenicity:</b>	No relevant studies identified.
<b>Toxicity to Reproduction:</b>	No relevant studies identified.

<b>Section 12</b>	<i>Ecological Considerations</i>
<b>Mobility :</b>	No relevant studies identified
<b>Persistence/Degradability:</b>	No relevant studies identified
<b>Bio-accumulation:</b>	No relevant studies identified
<b>Ecotoxicity:</b>	The product may be harmful to aquatic organisms

<b>Section 13</b>	<i>Disposal Considerations</i>
Small quantities can be disposed of with household waste. Larger disposal must be made according to official local, regional, national, and international regulations.	

<b>Section 14</b>	<i>Transport Information</i>
<b>DOT CFR 172.101 Data :</b>	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated
<b>UN Class:</b>	None
<b>UN Number:</b>	None
<b>UN Packaging Group:</b>	None
<b>Classification for Air Transportation (IATA):</b>	Consult current IATA Regulations prior to shipping by air.

**Section 15***Regulatory Information*

**EU Label Information:** Classification and labeling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments (2001/60/EC and 2006/8/EC).

<b>EC Annex Classification:</b>	According to EC Commission Directive 67/5484/EEC this product is not classified
<b>R phrases:</b>	None
<b>S phrases:</b>	None

**US Regulations (Federal, State) and International Chemical Registration Laws:**

<b>TSCA Listing:</b>	This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.
<b>EINECS Listing:</b>	All ingredients in this product have not been verified for listing on the European Inventory of Existing Commercial Chemical Substances (EINECS).
<b>DSL (Canadian) Listing:</b>	All ingredients in this product have not been verified for listing on the Domestic Substance List (DSL).
<b>California Prop 65:</b>	To the best of the manufacturer's knowledge the products manufactured do not contain Proposition 65 Chemicals at levels which would require warning labels as known to the State of California to cause cancer or reproductive toxicity.
<b>SARA Title III Sect. 311/312 Categorization:</b>	Immediate (acute) Delayed (Chronic)
<b>SARA Title III Sect. 313:</b>	This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

**Section 16***Other Information***NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards – 0

**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

F: Highly Flammable

Xi: Irritant

Xn: Harmful

R: Risk

R11: Highly Flammable.

R36: Irritating to eyes.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

N: Dangerous to the environment

**Department issuing data specification sheet:** Electro Tape Technical Department

**Contact:** Technical Manager, Tricia LeClair 800/999-2218

The information and recommendations presented in this SDS are based on sources believed to be accurate, Electro Tape Specialties, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the **material** for their particular purposes. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use **or disposal** of the material is in accordance with applicable Federal, State, and local laws and regulations.