



Safety Data Sheet*

Trade Name: 181A 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: 181A

Description/Recommended Use: Imprinted Foil 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

EU Main Hazards Not classified as hazardous.	
Routes of Entry :	Inhalation – Skin Contact.
Carcinogenic Status:	Not considered carcinogenic by NTP, IARC, and OSHA.
Target Organs:	Skin – Respiratory System – Central Nervous System – Reproductive System.
Health Effects - Eyes :	Contact may cause irritation due to mechanical abrasion. High concentrations of vapor may cause irritation.
Health Effects - Skin :	Prolonged repeated contact with adhesive may cause irritation and/or allergic sensitization as well as produce defatting of the skin leading to irritation and dermatitis. Material can be absorbed through the skin and repeated, prolonged contact may cause adverse reproductive effects.
Health Effects - Ingestion :	Not an expected route of entry during normal handling and use.
Health Effects - Inhalation :	Exposure to vapor may have the following effects: irritation of nose, throat and respiratory tract – central nervous system depression – dizziness – drowsiness – headache – mental confusion. Repeated or prolonged exposure to vapor at high concentrations may have the following effects: adverse effects to nervous system – lung damage – adverse reproductive effects.

Section 3 Composition / Information on Ingredients

Ingredient :	C.A.S. No.	Concentration	R Phases	Classification
Polymers	N.A.	<25%	None	None
Toluene	108-88-3 203-625-9	0.1 - <1%	R11, R38, R48/20, R63, R65, R67	F, Xn, Repro Cat. 3
Ethyl Acetate	141-78-6 205-500-4	<2.0%	R11, R38, R66, R67	F, Xi

Section 4	<i>First Aid Measures</i>
Inhalation :	Remove person to fresh air. Seek medical attention if symptoms persist.
Skin Contact:	Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.
Eye Contact:	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.
Ingestion :	Obtain medical attention immediately.

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

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

Section 7	<i>Handling and Storage</i>
Keep away from heat and sources of ignition. Storage area should be cool, dry, well-ventilated, and away from incompatible materials.	

Section 8	<i>Exposure Controls and Personal Protection</i>
Occupational Exposure Standards: Exposure limits are listed below, if they exist.	
Polymer:	None established.
Ethyl Acetate:	ACGIH: TLV 400 ppm (1440mg/m ³) 8h TWA. OSHA: PEL 400 ppm (1440mg/m ³) 8h TWA.
Toluene :	ACGIH: TLV 20 ppm (75mg/m ³) 8h TWA. OSHA: PEL 200 ppm 8h TWA, Ceiling (C) 300 ppm, 500ppm 10-min. peak per 8-hour shift
Engineering Control Measures:	No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.
Respiratory Protection:	Respiratory protection not normally required.
Hand Protection:	Not required under normal conditions of use. However, care should be taken to avoid contact with the adhesive.
Eye Protection:	Safety glasses.
Body Protection:	Normal work wear.

Section 9	<i>Physical and Chemical Properties</i>
General Physical Form:	Solid material – foil backing with PSA adhesive
Specific Physical Form:	Roll of Tape
Odor, Color:	Slight solvent odor; Silver backing and white liner
pH:	Not applicable
Specific Gravity:	Not Determined
Boiling Range/Point:	Not applicable
Melting Point:	Not applicable
Flash Point:	Not applicable

Section 9	<i>Physical and Chemical Properties (continued)</i>
Explosion Limits:	Not Determined
Vapor Pressure:	Not applicable
Density:	No Data
VOC (g/l):	<30 g/l
VOC (% by weight):	<2%
Solubility in Water:	Not Known
Vapor Density (Air=1):	Not applicable

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

Section 11	<i>Toxicological Information</i>
Acute Toxicity :	Toluene: <u>Oral</u> LD50 rat >2000 mg/kg // <u>Dermal</u> LD50 rabbit >3000 mg/kg // <u>Inhalation</u> LC50 rat 28.1 mg/l 4hr Ethyl Acetate: <u>Oral</u> LD50 rat 5,620 mg/kg
Specific Target Organ Systemic Toxicity:	Ethyl acetate: Can cause narcotic effects and respiratory irritation – single and repeat.
Serious Eye Damage / Eye Irritation:	No relevant studies identified
Respiratory or Skin Sensitization:	No relevant studies identified
Carcinogenicity:	Toluene: No evidence of carcinogenic activity in laboratory animal studies
Germ Cell Mutagenicity:	Toluene: Negative Ames Test with and without metabolic activation
Toxicity to Reproduction:	Toluene: In laboratory studies, birth defects, increased fetal lethality and delayed fetal development have been observed in offspring of female animals exposed during pregnancy. Toluene has been demonstrated to be embryofetotoxic and teratogenic in laboratory animals.

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

Section 13	<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.	

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

Section 15	<i>Regulatory Information</i>
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).	
EC Annex Classification:	According to EC Commission Directive 67/5484/EEC this product is not classified
R phrases:	None
S phrases:	None

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

TSCA Listing:	This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.
EINECS Listing:	All ingredients in this product have not been verified for listing on the European Inventory of Existing Commercial Chemical Substances (EINECS).
DSL (Canadian) Listing:	All ingredients in this product have not been verified for listing on the Domestic Substance List (DSL).
California Prop 65:	This product contains materials which the State of California has found to cause cancer, birth defects or other reproductive harm.
SARA Title III Sect. 311/312 Categorization:	Immediate (acute) Delayed (Chronic)
SARA Title III Sect. 313:	This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

Section 16	<i>Other Information</i>
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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

Department issuing data specification sheet: Electro Tape Technical Department
Contact: Technical Manager, Tricia LeClair 800/999-2218

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