

This material safety data sheet (MSDS) was prepared solely for the reference of, and as a courtesy to, Shurtape's customers. The adhesive tape product to which this MSDS refers is a manufactured item that meets the definition of an "article" under the OSHA Hazard Communication Standard (hereinafter "the Standard"), which exempts articles from the requirements of the Standard, including the requirement to provide an MSDS.

Under normal conditions of use this product is not expected to release hazardous chemicals, nor pose a physical hazard or health risk, such that the Standard would require Shurtape to provide an MSDS. However, failure to use this product in accordance with Shurtape's recommendations or under normal conditions could result in potential physical hazards, health risks, or other hazards.

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

General Name:	AF 973 Pressure Sensitive Aluminum Foil Tape	<b>HMIS® III</b>		Icons:
		AF 973 Pressure Sensitive Aluminum Foil Tape		
Shurtape Technologies, LLC		<b>Health</b>	1	
PO BOX 1530		<b>Flammability</b>	1	
Hickory, N.C. 28603-1530		<b>Physical Hazard</b>	0	
(828) 322-2700		<b>Personal Protection</b>		B
Prepared Date:	7/9/2014	Prepared By: EHS Group		

HMIS III® Icons are used with permission of the American Coatings Association (ACA)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>% Weight</u>
Aluminum Foil	7429-90-5	50-60 %
Synthetic Rubber Adhesive	Proprietary	10-20 %
Siliconized Release Liner	Proprietary	20-30 %

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

May cause skin or eye irritation by mechanical abrasion or by sensitivity to polymers.

Note: If this product is subject to combustion it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to carbon dioxide, carbon monoxide, polycyclic organic matter, and smoke. Exposure may cause irritation of the eyes, skin, and respiratory tract. Symptoms such as coughing, tearing, and irritation should be regarded as potentially hazardous and measures should be taken to avoid exposure.

## 4. FIRST AID MEASURES

### Eyes

If wearing contact lenses, remove. Hold eyelids apart and immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.

### Skin

Wash with soap and water. Seek medical attention if irritation develops or persists.

### Ingestion:

Do not give anything by mouth to an unconscious person. Seek medical attention.

### Inhalation

Not applicable.

## 5. FIRE FIGHTING MEASURES

Flash Point (°F)	<i>Not Determined</i>
LEL	<i>Not Determined</i>

Auto Ignition Temp (°F)	<i>Not Determined</i>
UEL	<i>Not Determined</i>

### Hazardous Products of Combustion

If this product is subject to combustion it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to carbon dioxide, carbon monoxide, polycyclic organic matter, and smoke.

### Fire and Explosion Hazards

Minimal fire hazard as supplied. Polymers in adhesive and polymer backed cloth will support

### Extinguishing Media

X	Foam	X	Water Spray	X	CO <sub>2</sub>	X	Dry Chemical
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### Fire Fighting Instruction

Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

Not applicable.

## 7. HANDLING AND STORAGE

### Handling

Material will be tacky/sticky. Recommend the use of light weight cloth or leather gloves for actual handling of material.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Eye Protection

Safety glasses with side-shields recommended

### Skin Protection

Normal lightweight work clothing will minimize skin contact. Use of lightweight cloth or leather gloves recommended.

### Respiratory Protections

No adverse respiratory exposure anticipated under normal use

### Engineering Controls

No special engineering controls are required

### Exposure Guidelines

Not applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	N/A	Melting Point	>100°C
Specific Vapor Density	N/A	Percent Volatiles	<1%
Specific Gravity	N/A	Evaporation Rate	N/A
Appearance	Silver	State	
Odor	No Strong odor	pH	N/A
Viscosity	N/A	Freezing Point	N/A
Molecular Weight	N/A	Solubility in H <sub>2</sub> O	negligible

## 10. STABILITY AND REACTIVITY

### Hazardous Polymerization

Not anticipated under normal or recommended handling, use, or storage conditions.

### Hazardous Decomposition

None anticipated under normal or recommended handling, storage, and use conditions.

If this product is subject to combustion it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to carbon dioxide, carbon monoxide, polycyclic organic matter and particulate matter. This is not the intended use for this product.

### Chemical Stability

Stable

### Incompatibility

Incompatible with: strong acids and oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

Exposure to chemicals and possible effects will not occur with normal use.

## 12. ECOLOGICAL INFORMATION

No Data

## 13. DISPOSAL CONSIDERATION

### Waste Management Information

This material is considered to be non-hazardous under EPA's RCRA regulations. Dispose of per appropriate local regulations. Shurtape® products are manufactured on a core using 90% recycled content and are packaged in containers with an average of 33% (5% pre-consumer and 28% post-consumer) recycled content. Additionally, the containers used to package Shurtape® products are 100% recyclable.

## 14. DOT Information – 49 CFR 172.101

### DOT description:

Material is not a hazardous material when shipped

### Container / Mode:

Various size packages can be utilized for shipping this material

### NOS Component:

None

### RQ (Reportable Quantity) – 49 CFR 172.101

Product Quantity (lbs) - None

### Other Transportation Information:

The DOT Transport Information may vary with the container and mode of shipment

## 15. REGULATORY INFORMATION

### US Federal Regulations

#### TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of the product are listed.

#### CERCLA RQ – 40 CFR 302.4 (a)

None

#### CERCLA RQ – 40 CFR 302.4 (b)

None

#### SARA 302 Components – 40 CFR 355 Appendix A

None

#### Section 311 / 312 Hazard Class – 40 CFR 370.2

Immediate (X) Delayed ( ) Fire (X) Reactive ( ) Sudden Release of Pressure ( )

Immediate for the molten liquid state only

#### OSHA Process Safety Management 29 CFR 1910

None listed

#### EPA Accidental Release Prevention 40 CFR 68

None listed

### State and Local Regulations

#### California Proposition 65

Please see the Regulatory Compliance Letter for the most current information.

### International Regulations

#### EU Packaging Directives

Please see the Regulatory Compliance Letter for the most current information.

#### DSL (Canada)

The intentional ingredients of this product are listed.

#### REACH

Please see the Regulatory Compliance Letter for the most current information.

## 16. OTHER INFORMATION

The following information addresses the allowable credits that may be claimed in accordance with Green Building Rating System for New Construction and Major Renovations, version 2.2

Indoor Environmental Quality: EQ Credit 4.1: Low-Emitting Materials (p. 69):

Adhesives & Sealants: Substrate Specific Applications:

Metal to Metal: VOC content < 30 g/l [in accordance with SCAQMD Rule #1168]

Actual VOC content: < 10 g/l [based upon testing conducted in accordance with SCAQMD Rule #1168]

Credit: 1 point

The following information addresses the allowable credits that may be claimed in accordance with LEED® for Homes Rating System

Materials and Resources: MR Credit 2.2: Environmentally Preferable Products:

Table 24 – Environmentally Preferable Products : Adhesives and Sealants (see Table 26)

Table 26 – Standards for Low-Emissions Adhesives and Sealants (meet SQAQMD Rule #1168)

Substrate Specific Applications:

Metal to Metal: VOC content < 30 g/l [in accordance with SCAQMD Rule #1168]

Actual VOC content: < 10 g/l [based upon testing conducted in accordance with SCAQMD Rule #1168]

Credit ½ point

As defined by 29 CFR 1910. 1200, this product is considered to be an article, defined in the regulation as a “manufactured item other than a fluid or particle: (I) which is formed to a specific shape or design during manufacture; (II) has an end use function(s) dependent in whole or in part upon its shape or design during end use; and (III) which does not release more than very small quantities, e.g., minimal or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.”

This information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable for their circumstances.