

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 ("Standard"), which exempts articles from the requirements of the Standard, including the requirement to provide a MSDS.

This product under normal conditions of use would not 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 problems

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

General Name:	HMIS® III			Icons: None
AF 914 Pressure Sensitive Aluminum Foil Tape	AF 914 Pressure Sensitive Tape			
Shurtape Technologies, LLC	HEALTH	/	1	
PO Box 1530	FLAMMABILITY		1	
Hickory, NC 28603-1530	PHYSICAL HAZARD		0	
(828) 322-2700	PERSONAL PROTECTION		B	
Prepared Date: October 8, 2012	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>
Foil/Scrim/Kraft	Proprietary	40-60 %
Acrylic Adhesive	Proprietary	25-45 %
Release Liner	Proprietary	15-25 %

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 combustion.

Extinguishing Media

X	Foam	X	Water Spray	X	CO2	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	Solid at Ambient Temperature
Odor	No Strong odor	pH	N/A
Viscosity	N/A	Freezing Point	N/A
Molecular Weight	N/A	Solubility in H ₂ 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 95% recycled content and are packaged in containers with an average of 53% recycled content.

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 0 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

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986<>Shurtape hereby certifies that, to the best of its knowledge, this product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity (“Proposition 65 Chemicals”) at levels which would require a warning.<>

International Regulations

EU Directives

94/62/EC – Packaging and Packaging Waste Directive and CONEG Model legislation for the restriction of metals in packaging. Complies with standard of less than 100 PPM total concentration Cd, Cr⁺⁶, Hg, and Pb.

2011/65/EU – Restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS II). Product is outside the scope of the regulation. Less than 100 PPM total concentration Cd, Cr⁺⁶, Hg, and Pb. This product does not utilize brominated flame retardants.

DSL (Canada)

The intentional ingredients of this product are listed.

REACH

This product is an article as defined by Article 3(3) of Regulation (EC) 1907/2006 (REACH). As an article, this product is not subject to the Safety Data Sheet requirements outlined in Article 33(1) of the same Regulation. This product does not have an intended release of a chemical substance, is not a chemical mixture, and is not subject to pre-registration or the registration process. This product contains no “substances of very high concern” (SVHC) in a concentration above 0.1% (w/w) as promulgated 28 October 2008 (REACH Article 59) on the Candidate List of Substances of Very High Concern (REACH Annex XIV) inclusive of updates through June 2012. Shurtape® continues to monitor the SVHC list and its updates.

Shurtape Technologies, LLC PO Box 1530 Hickory, NC 28603-1530 USA Phone 1.888.442.TAPE (8273) Fax 800.335.7651
www.shurtape.com

ISO 9001 CERTIFIED QUALITY SYSTEM

16. OTHER INFORMATION

US Green Building Council – LEED®

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 SCAQMD 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., minute 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.