



Safety Data Sheet: HISCO PT500

This safety data sheet (SDS) was prepared solely for the reference of, and as a courtesy to, Pro Tapes customers. The adhesive tape product to which this SDS 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 SDS.

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 Pro Tapes to provide an SDS. However, failure to use this product in accordance with Pro Tapes recommendations or under normal conditions could result in potential physical hazards, health risks, or other hazards.

1. IDENTIFICATION

Product Name:	Hisco PT500 1 Mil Polyimide with Silicone Adhesive
Pro Tapes & Specialties, Inc.	
621 Route One South	
North Brunswick, NJ 08902	
(800) 345-0234	

2. HAZARDS IDENTIFICATION

Health	N/D
Flammability	N/D
Physical Hazard	N/D
Personal Protection	N/D

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>% Weight</u>
Dimethyl acetamide	127-19-5	<1%
Polyimide	25038-81-7	40-60%
Polysiloxane adhesive	68440-63-1	40-60%

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

Material is incombustible under recommended 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 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 ₂	X	Dry Chemical
---	------	---	-------------	---	-----------------	---	--------------

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. Store and handle using good warehouse practices.

Avoid excessive temperatures and high humidity. Prefer stock at Cool and dry place and temperature below 24°C.

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	Not determined
Specific Gravity	N/A	Evaporation Rate	N/A
Appearance	Roll of tape, Amber color with silicone adhesive on one side.	State	Solid at Ambient Temperature
Odor	Minimal	pH	N/A
Viscosity	N/A	Freezing Point	N/A
Molecular Weight	N/A	Solubility in H ₂ O	Insoluble

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.

Chemical Stability

Stable

Incompatibility

Incompatible with: Strong oxidizers, acids, bases

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. Pro Tapes 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 Pro Tapes 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

International Regulations

DSL (Canada)

The intentional ingredients of this product are listed.

EU 2011/65/EU & 2012/19/EU

Pro Tapes & Specialties products is outside the scope of the requirements set forth by European Union Directive 2011/65/EU – ROHS II and the European Union directive 2012/19/EU – WEEE relating to electronics and electrical equipment which bans or limits certain heavy metals and polybrominated flame retardants; however, Pro Tapes & Specialties confirms due diligence has been performed through careful review of raw material specifications, vendor certifications and random testing to ensure its products does not contain heavy metals, Polybrominated Biphenyls (PBBs) as unintended impurities in concentration exceeding EU regulatory limits.

EU Directive 2013/2/EU

Pro Tapes & Specialties products meet European Union Directive 2013/2/EU in regards to packaging standards, which restrict quantities of Lead (Pb), Cadmium (Cd), Mercury (Hg) and Hexavalent Chromium (Cr(VI)). Raw materials utilized in the production process may contain unintended impurities that include the aforementioned heavy metals.

TPCH

Pro Tapes & Specialties certifies that all packaging components sold or provided, whether separately or included with finished product are in compliance with the Model Toxics in Packaging Legislation and with other state and federal legislation regarding toxics in packaging.

1. We certify that the regulated metals – lead, mercury, and cadmium and hexavalent chromium – were not intentionally added to any package or packaging component during the manufacturing process.
2. We further certify that the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium present in any packaging component does not exceed 100 parts per million by weight.
3. We further certify that no materials used to replace the heavy metals are present in a quantity or manner that creates a hazard as great as or greater than the hazard created by the regulated metals.

California Proposition 65

Pro Tapes & Specialties hereby certifies that, to the best of its knowledge, our products do 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.

JIG-101 Ed 4.0

All products comply with JIG-101 standards

Asbestos

Asbestos is not used as a component in any ProTapes & Specialties products

REACH SVHC

Pro Tapes & specialties products are considered articles as defined by Article 3(3) of regulation (EC) 1907/2006 (REACH). As an article, these products are not subject to the Safety Data Sheet requirements outlined in Article 33(1) of the same Regulation. ProTapes & Specialties products do not have an intended release of a chemical substance, is not a chemical mixture, and is not subject to pre-registration process.

ProTapes & specialties products contains no “substance of very high concern” (SVHC) in a concentration above 0.1% (w/w) as promulgated 28 October 2008 on the candidate List of Substances of Very High

Concern (REACH Annex XV) inclusive of updates through January 12, 2017.

Illegal Practices, Human Trafficking

Pro Tapes & Specialties is compliant with all local and federal laws governing labor practices and does not knowingly source materials from suppliers that are engaged in illegal practices or human trafficking.

Animal Testing

We are pleased to confirm that no animal testing performed on any pressure sensitive tapes by Pro Tapes & Specialties

H.R. 4173 Conflict Minerals

Pro Tapes & Specialties products are outside the scope of the Financial Reform law, H.R. 4173. Pro Tapes & Specialties confirms due diligence has been performed through careful review of raw material specifications and vendor certification to insure its products does not contain Tungsten, Tantalum, Gold and Tin as intentional raw materials or in the manufacturing process. Additionally, raw materials used to manufacture Pro Tapes & Specialties products are not sourced from Democratic of Congo or adjoining counties.

Latex

Pro Tapes products are produced in a facility that utilizes natural rubber in the production process.

Allergens

Upon careful review of all raw material components our pressure sensitive tapes, Pro Tapes has concluded that our products do not contain materials based on or derive from milk, eggs, wheat, fish, crustaceans, soybean, tree nuts, or peanuts nor are any of these materials used in the manufacturing process.

Dimethyl Fumarate

Dimethyl Fumarate (DMF) CAS # 624-49-7 is neither intentionally added as a raw material, nor used in the manufacturing process. DMF is not expected to be present in concentrations above 0.1mg/kg in such products or parts.

Bisphenol A

Bisphenol A (BPA) CAS# 80-05-7 is neither intentionally added as a raw material, nor used in the manufacturing process at Pro Tapes & Specialties.

Pro Tapes & Specialties recommends the user determine whether the product is fit for the users specific purpose and is suitable for the users method of application.

16. OTHER INFORMATION

Preparation or Last Revision Date: 2-9-17

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.