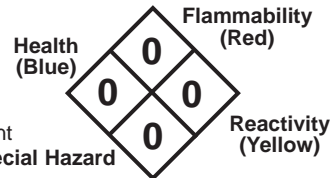


**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200, Standard must be consulted for specific requirements.

**NFPA Designation 704**

Degree of Hazard:  
 4 = Extreme  
 3 = High  
 2 = Moderate  
 1 = Slight  
 0 = Insignificant



**IDENTITY (As Used on Label and List)**

Wescorp Antistatic Hi Temp Polyimide Tape

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

|  |  |
|--|--|
| Manufacturer's Name<br>Desco Industries Inc.   | Emergency Telephone Number<br>(909) 627-8178       |
| Address (Number, Street, City, State, and Zip Code)<br>3651 Walnut Avenue, Chino, CA 91710 | Telephone Number for Information<br>(909) 627-8178 |
| Date Prepared<br>2-1-2006  | Signature of Preparer (Optional)                   |

**Section II - Physical/Chemical Characteristics**

Polyimide Film  
 Electrically conductive particles embedded in a layer of polysiloxane adhesive

**Section III - Hazardous Ingredients**

No hazardous materials present  
 (1) According to Commission Directive 88/379/EEC (Article 3 6aa).

**Section IV - First Aid Measures**

- 4.1. Skin: No irritation is expected from handling the tape, however ensure good industrial hygiene and wash exposed areas with soap and Water.
- 4.2. Eyes: Rinse opened eye for several minutes under running water.
- 4.3. Inhalation: Not a probable route of exposure for adhesive tape. Exposure to the encapsulated electrically conductive articles in the adhesive layer is not likely.
- 4.4. Ingestion: Not a probable route of exposure for adhesive for adhesive tape. Treat symptomatically.
- 4.5. Other first aid information: Not known

**Section V - Fire Extinguishing Measures**

- 5.1. Extinguishing media: Carbon dioxide, foam, dry powder, or fine water spray.
- 5.2. Unsuitable extinguishing media: None known
- 5.3. Unusual firefighting hazards: None known
- 5.4. Special firefighting procedures: Self-contained respirator should be worn.
- 5.5. Other recommendations: None known
- 5.6. Combustion products: Polyimide film chars but does not burn in air, however it will burn in an atmosphere of 100% oxygen. The major off-gases are carbon dioxide and carbon monoxide. The silicone adhesive layer also tends to char leaving residues of silica and off-gases containing carbon dioxide, traces of incompletely burned carbon products and formaldehyde.

**Section VI - Accidental Release Measure**

- 6.1. Personal protection: Avoid contact with eyes.
- 6.2. Precautions to protect the environment: None established
- 6.3. Clean up procedure: Pick up to prevent floor

**Section VII - Handling and Storage**

- 7.1. Handling precautions: Avoid contact with eyes. Ensure good industrial hygiene and wash skin with soap and water after contact.
- 7.2. Storage: No special measures are required.
- 7.3. Unsuitable packaging materials : None known.
- 7.4. Incompatibilities: None known.
- 7.5. Other information: None known.

**Section VIII - Exposure Controls and Personal Protection**

- 8.1 Exposure controls: Safe handling/usage of PPI RD-042 at high temperatures (above 200°C/392°F) requires adequate ventilation. Using small quantities normal air circulation may be adequate otherwise further ventilation measures are recommended.
- 8.2. Exposure controls for hazardous components: No hazardous materials present
- 8.3. Personal protective equipment:
  - Respiratory: Not required for normal handling.
  - Protective gloves: Not required for normal handling, if tape is hot gloves are recommended as good industrial practice.
  - Eye/Face: Safety glasses are recommended as good industrial practice.
  - Industrial Hygiene: Wash after handling, especially before eating, drinking or smoking. Exercise good industrial hygiene practice.

**Section IX - Physical and Chemical Properties**

## 9.1 Appearance:

Form: Self-adhesive tape Color: Opaque black Odor: None

## 9.2. Safety Related Information

|                                  |                    |                                     |                         |
|----------------------------------|--------------------|-------------------------------------|-------------------------|
| pH:                              | Not determined     | Other data:                         |                         |
| Boiling point/Boiling range:     | Not determined     | Vapor density (air=1):              | Not determined          |
| Melting point/Melting range:     | Not determined     | Evaporation rate (ethyl ether = 1): | Not determined          |
| Flash point:                     | Not determined     | Viscosity:                          | Not determined          |
| Flammability (solid):            | Non-flammable      | % Volatiles:                        | < 0.05% @ 200°C (392°F) |
| Auto flammability:               | Non-flammable      | Molecular weight:                   | Not determined          |
| Explosive properties:            | Not determined     |                                     |                         |
| Oxidizing properties:            | Not determined     |                                     |                         |
| Vapor pressure:                  | Not determined     |                                     |                         |
| Specific gravity:                | Not determined     |                                     |                         |
| Solubility in water:             | Not soluble        |                                     |                         |
| Solubility in organic solvent:   | Soluble in Toluene |                                     |                         |
| Oil/water partition co-efficient | Not determined     |                                     |                         |

**Section X - Stability and Reactivity**

10.1 Stability: Stable at normal temperatures and storage conditions (ideal 23°C ± 2°C (73°F ± 4°F) 50% ± 2% relative humidity)

## 10.2 Reactivity:

Conditions to avoid: none known.

Materials to avoid: Can react with strong oxidizing agents

Hazardous decomposition products: At temperatures above 400°C/752°F, the major off-gases from polyimide film are carbon monoxide and carbon dioxide. With prolonged exposure to temperatures above 150°C/302°F silicone adhesives in the presence of oxygen may emit trace quantities of formaldehyde.

**Section XI - Toxicological Information**

## Possible Health Effects

Skin: (1) Prolonged or repeated contact may lead to slight irritation

Eyes: (1) May cause temporary discomfort

Inhalation: (1) No adverse effects are normally expected.

Ingestion: (1) Not known

Other health hazard information: None known.

LC 50 : Not determined

LD 50 : Not determined

(1) This information is based either on test data, extrapolation from tests on similar materials, review of component details, or a combination of all of these.

**Section XII - Ecological Impact**

12.1 Elimination Persistence: Not known Degradability: The adhesive is partly biodegradable

12.2 Behavior in an aquatic environment Mobility: Insoluble in water Bioaccumulation: Not known

12.3 Aquatic: Ecotoxic effects not known Terrestrial: Not known

**Section XIII - Waste Disposal**

13.1. Product disposal: Can be incinerated or land filled in accordance with federal, state and local regulations.

13.2. Packaging disposal: Packaging should be disposed of in accordance with regional and/or national regulations.

**Section XIV - Transport Information**

UNNO: Not applicable Label: Not applicable

ROAD &amp; RAIL TRANSPORT (ADR/RID) No special packaging or labeling required.

SEA TRANSPORT (IMO) No special packaging or labeling required.

IMO MARINE POLLUTANT: Not applicable

AIR TRANSPORT (ICAO) No special packaging or labeling required.

**Section XV - Regulatory Information**

15.1. EEC Supply classification &amp; labeling: (1) Contains: Not applicable - No special packaging on labeling requirements

15.2 National legislation. For product information in other EC languages, including appropriate national legislation, please contact the sales office at the above address.

## 15.3 Other regulations

German water class: 1 - slight risk of causing water pollution

German Vbf: Not applicable

Ozone depleting chemicals: No ozone depleting chemicals are present or used in manufacture.

N/A = Not Applicable; NE = None Established

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DESCO EAST - 90 Hudson Road, Canton, MA 02021-1407 • (781) 821-8370 • Fax (781) 575-0172 • Web Site: Desco.com