

## MATERIAL SAFETY DATA SHEET(MSDS)

Issued date: June 2, 2020

### 1. Product and Company Identification

Chemical material name: Polyvinyl chloride Adhesive Tape  
 Name of Product: **PT-224 PVC dicing Tape**  
 (Chemical name, brand name etc.)  
 Chemical product code:  
 Company Name of the supplier: **Pantech Tape Co., Ltd.**  
 Identification: Address: No. 8, Alley 98, Lane 800, Chung-Shan South Road,  
 Yangmei, Taoyuan 32669, Taiwan  
 A section in charge: Quality Assurance manager  
 Telephone Number: 886 – 3 – 475 8949  
 Fax Number: 886 – 3 – 475 8957  
 Emergency telephone No. 886 – 3 – 475 8949

### 2. Composition / information on ingredients

Distinction between a substance and a preparation: Compound

The common chemical name or the generic name	Polyvinyl chloride film	Acrylic Adhesive
Synonyms name	Base material	Adhesive
Contents	91.3 %	8.7 %

Remarks: Release Liner is not counted due to it is to be discarded.

### 3. Hazards identification

Most important hazards and effects of the product:  
 Adverse human effects: Nothing particular  
 Hazards classification: Not applicable  
 Specific hazards: Nothing particular

### 4. First-aid measures

Inhalation: Generally no possibility of inhalation.  
 Skin contact: Wash it out with large amount of water and soap  
 When a skin rash is developed, consult a doctor immediately.  
 Eye contact: Immediately wash it off with running water for more than 15 minutes.  
 Ingestion: After vomit, consult a doctor if necessary  
 A brief description of the most important symptoms and effects: Nothing particular  
 Protection of First - aiders: Nothing particular  
 Special notes to a physician: Nothing particular

### 5. Fire-fighting measures

Extinguishing media: Volumes of water, ABC extinguishers, power extinguishers,  
 Protection of firefighters: dioxide extinguishers. If needs, use Gas mask and Goggles.

## 6. Accidental release measures

Personal precautions: None due to no possibility of release  
 Environmental precautions: None due to no possibility of release  
 Methods of clean up  
     Recovery: None due to no possibility of release  
     Neutralization: None due to no possibility of release  
     Disposal: Please process it as industrial waste based on local regulations, contact an authorized industrial waster treatment company for off-site disposal

## 7. Handling and storage

### Handling

Technical measures: Nothing particular  
 Precautions: Nothing particular  
 Safe handling advise: Nothing particular

### Storage

Technical countermeasures: Nothing particular  
 Incompatible products: Nothing particular

### Storage conditions

Suitable storage condition: Avoid direct sunlight, and store it in a room at normal  
 Storage conditions to be avoided: Avoid storage at transformation situation

### Packing material

Recommended: Packing form of the product  
 Unsuitable: Nothing particular

## 8. Exposure controls / personal protection

### Personal protective equipment

Respiratory protection: Not required  
 Hand protection: Not required  
 Eye protection: Not required  
 Skin and body protection: Not required

## 9. Physical and chemical properties

### Physical state

Form: Roll type (Article)  
 Color: Film color: blue, Adhesive: clear  
 Odour: Nothing particular  
 PH: No data

Inflammability: Flame retardant grade, but still have possibility to cause fire

Specific temperature / temperature ranges at which changes in physical state occur

Boiling point: No data  
 Boiling range: No data

Fusing point: No data  
 Flash point: No data  
 Density: about 13  
 Solubility with indication of the solvent: Insoluble in water

**10. Stability and reactivity**

Stability: Stable under normal environment  
 Possible hazardous reactions occurring: No data  
 Under specific conditions:  
 Condition which should be avoided: Please avoid high temperature, high humidity, sunlight directly  
 Material which should be avoided: No data  
 Hazardous decomposition products: No data

**11. Toxicological information**

Acute toxicity: None  
 Caustic: None  
 Specific influence  
 Mutation field: None

**12. Environmental influence information**

Information on fate  
 Mobility: No data  
 Persistence / degradability: No data  
 Bioaccumulation: No data  
 Ecotoxicity: None

**13. Disposal considerations**

Product: Please process it as industrial waste based on local regulations.  
 When burning it, use an incinerator which satisfies its technical guidelines (the residence time is 2 seconds or more at a temperature of 800°C or more).  
 Contact an authorized industrial waste treatment company for Off-site disposal.  
 Waste form residues: Same as above  
 Pollution container and wrapping: Package: Contact a recycling manufacturer.

**14. Transport information**

Information for code and classification at international regulations  
 Land: Follow the general cautions in the section “Handling and Storage”.  
 Make sure the container is free form leakage. Load properly to prevent the container form shock, falling or breaking. Follow fire protection law and labor safety hygiene law, according to each pertinent law to convey.  
 Inland waterways: Follow the general cautions in the section “Handling and Storage”.  
 Make sure the container is free form leakage. Load properly to prevent the container form shock, falling or breaking.  
 Sea: Follow the general cautions in the section “Handling and Storage”.  
 Make sure the container is free form leakage. Load properly to prevent

the container form shock, falling or breaking.  
Follow law for Safety of Vessels.  
Air: Follow the general cautions in the section "Handling and Storage".  
Make sure the container is free form leakage. Load properly to prevent the container form shock, falling or breaking.  
Follow aviation law  
The UN classification number: None

**15. Regulatory information**

Regulations: Fire protection law: Specified combustible.

**16. Other information**

- a. Handle this product with great care, since the evaluation of its danger and toxicity may not be sufficient.
- b. The above information is based on the most up-to-date data, yet the values of content and physical / chemical properties are not guaranteed.
- c. The cautionary statements are applicable for ordinary handling only. For special handling, please devise safety measures appropriate for the use.