

## Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Flame-retardant harness tape  
Manufacturer: Denka Company Limited  
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Reference number: 127

### 2. HAZARDS IDENTIFICATION

GHS Classification: Not applicable (article)  
GHS label elements: Not applicable  
Hazards other than GHS Classification: If the product is burned, noxious gas (composed mostly of hydrogen chloride and carbon monoxide) may be generated. Therefore, adequate ventilation must be maintained to avoid inhaling the gas.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance, mixture or article: article

#### Chemical compositions

Composition	Polyvinyl chloride	Di-isononyl phthalate	Antimony trioxide	Stabilizing agent, etc.	Adhesive agent
Content (wt%)	45 to 55	20 to 25	3 to 10	5 to 10	10 to 15
Chemical properties	$(\text{CH}_2\text{-CHCl})_n$	$\text{C}_{26}\text{H}_{42}\text{O}_4$	$\text{Sb}_2\text{O}_3$	-	-
CAS No.	9002-86-2	28553-12-0	1309-64-4	-	-

### 4. FIRST-AID MEASURES

Inhalation: (1) Remove the person exposed to combustion or decomposition gas immediately and provide fresh air.  
(2) Get medical attention in any case where abnormal conditions are detected.

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- Skin contact: As hypersensitive persons may suffer swelling or irritation after coming into contact with the adhesive agent of the tape, gently remove the tape and rinse off the adhesive agent.
- Eye contact: There is no chance that this product gets into eyes. However, if a chip or broken piece of the tape gets into eyes, the eye balls may be damaged. In such a case, rinse it off with clean water for 15 minutes or more.
- Ingestion: Try to induce vomiting as much as possible. If any abnormal conditions are detected, get medical attention.

## 5. FIRE-FIGHTING MEASURES

- Extinguishing media: Use water, dry chemicals, foams, etc.
- Protection for firefighters: In case of a fire, this product will not burn intensely but may be melted by heat. If it burns or it is melted because of the high temperature, noxious gas (composed mostly of hydrogen chloride and carbon monoxide) may be generated. Therefore, it is indispensable to wear respiratory protective equipments, safety glasses and chemical protective gloves, and put out fire from the windward.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions: No data
- Environmental precautions: No data
- Removal method: Immediately sweep and collect the released substances in a paper bag, etc.

## 7. HANDLING AND STORAGE

### Handling

- Technical measures: (1) Do not place fire nearby.  
(2) As this product is a tape for industrial use, do not affix it to the human body, food or medical products.
- Precautions: If the product is used in a closed room, the room must be well-ventilated.
- Precautions for safe handling: Avoid contact with organic solvents in order to prevent dissolution deformation.

### Storage

- Storage conditions: (1) To avoid alterations (deformations), store the product in a place at room temperature away from sunlight, water leak, moisture and heat.  
(2) To prevent a fire, store the product in a place away from fire, heat source and light source.

Safe container and package materials: Nothing in particular

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Protective equipment: Not particularly required
- Control concentration: No rules or regulations
- Allowable concentration: No rules or regulations

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical state:

Form:	Solid (Film-type molding product)
Color:	Multiple colors
Odor:	Rubber odor (Subtle odor)
pH:	No data

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

Boiling point:	No data
Melting point:	No data
Resolution temperature:	There is no data. However, the softening process starts at approx. 60°C.
Flash point:	230°C
Auto-ignition temperature:	425°C
Explosion properties:	No data
Density:	1.3 g/cm <sup>3</sup>
Solubility:	Insoluble in water

## 10. STABILITY AND REACTIVITY

Stability:	Stabilized if treated in a normal manner
Reactivity:	No data
Inappropriate conditions:	High temperature, High humidity, Sunshine
Reactive chemical hazards:	Oxidant, Acid, Base
Hazardous decomposition products:	If the product is burned, noxious gas (composed mostly of hydrogen chloride and carbon monoxide) may be generated.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	No data
Specific symptoms in animal tests:	No data
Irritation and Corrosive effects:	Touching the surface repeatedly may cause skin roughness.
Sensitization:	No data
Toxicity after repeated intake (sub-acute, sub chronic, chronic):	No data
CMR-effects (carcinogenic, mutagenic and reproductive effects):	No data
Carcinogenic:	Antimony trioxide is classified into A2 of USA ACGIH, 2B of Japan JSOH, Category 2 of EU CLP.

## 12. ECOLOGICAL INFORMATION

No information

## 13. DISPOSAL CONSIDERATIONS

Dispose of residues/container in accordance with local/regional/state/national/federal/international regulations.

Do not dump residues/container into sewers, on the ground or into any body of water.

#### 14. TRANSPORT INFORMATION

International regulation: Not applicable

Specific precautionary transport measures and conditions:

Avoid direct sunlight, water leak, rapid temperature change, etc. and ensure that the packing and packaging materials are not damaged or the cargo does not collapse.

#### 15. REGULATORY INFORMATION

Di-isononyl phthalate is a regulated component.

EU (REACH ANNEX X VII 52), Canada (Phthalates Regulations), USA (Consumer Product Safety Improvement Act), Japan (notification of the Ministry of Health, Labor, and Welfare No.336), Switzerland (Toy Safety Ordinance)

: Toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child must contain no more than 1,000mg/kg of DINP.

USA : Clean Water Act Section 307(a)(1) Toxic Pollutants (40 CFR 401.15)  
RCRA Appendix VIII List of Hazardous Constituents (40 CFR 261)  
CERCLA Hazardous Substances (40 CFR 302.4)

California Proposition 65 WARNING: This product contains a chemical known to the State of California to cause cancer.

Basel Convention: Annex I CATEGORIES OF WASTES TO BE CONTROLLED; Wastes having as constituents; Y27 Antimony; antimony compounds

#### 16. OTHER INFORMATION

- (1) All the data contained herein are protected by copyrights, treaties, laws and regulations effective in each relevant country. The data may not be used (copied, modified, transmitted, distributed, published, diverted, posted etc.) outside the scope of private use or that explicitly permitted under the applicable law without obtaining our prior consent.
- (2) We are making every effort to maintain the accuracy and usability of the data contained herein. However, no guarantee or warranty is made as to the accuracy and safety. Also, please note that the data and descriptions contained herein are subject to change without notice due to new knowledge and experience.
- (3) We do not make any guarantee or warranty as to the accuracy or safety of the data contained herein, such as merchantability (quality, performance, etc. which are normally expected), adequateness for certain purposes, and non-infringement of rights of third parties.
- (4) The data contained herein concerns only the product. If this product is combined or processed with other materials, such data shall be invalid.
- (5) The product shall be kept out of reach of infants. Also, this product shall not be used for materials within reach of infants.
- (6) Before use, the product shall be tested internally to check whether it conforms to the intended purpose and assure the safety on your own responsibility.
- (7) All the materials have unknown hazards. Therefore, they need to be handled with care. This SDS describes specific hazards. However, other hazards also may be presented.

