1. Identification of the Substance/Preparation and of the Company/Undertaking

Product name: DOUBLE-COATED ADHESIVE TAPE

Product identifier: NO5011N

Product Code: P020-00045785-0000

Supplier Address:
Nitto Denko Corporation Toyohashi Plant
18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan
TEL.+81-532-41-8461, FAX. +81-532-41-8064

Department responsible:
Quality Management Dept. Administration Div

Emergency telephone number:
+81-532-41-1121(TOYOHASHI PLANT)

Recommended Use:
For bonding flame retardant parts

2. Hazards Identification

GHS Classification:
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Single Substance or Mixture</th>
<th>Article</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic adhesive</td>
<td>-</td>
<td></td>
<td>70-80</td>
</tr>
<tr>
<td>Antimony trioxide</td>
<td>1309-64-4</td>
<td></td>
<td>10-20</td>
</tr>
<tr>
<td>Nonwoven fabric</td>
<td>-</td>
<td></td>
<td>5-15</td>
</tr>
<tr>
<td>Silicone coated paper (Release liner)</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

If inhaled: Will not occur

Skin contact:
Wash with plenty of water and soap
In the case of skin irritation or allergic reactions see a physician

Eye contact:
Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary

Ingestion:
Immediately induce vomiting and then consult a doctor

Most important symptoms/effects, acute and delayed: No information available

Self-protection of the first aider: No information available

Note to physicians: No information available

5. Fire-fighting measures

Fire extinguishing agent:
Carbon dioxide (CO2)
Extinguishing powder
Water
ABC-powder

Prohibited media:
No information available

Specific exposure hazards in a fire:
Burning produces poisonous gases
No information available

Specific extinguishing methods:
Due to poisonous gas (chlorine gas and so on) may be occurred, if needed, use Gas mask and Goggles

Advice for fire-fighters:

6. Accidental release measures

Personal Precautions:
Will not occur. Not specified

Protective equipment and emergency procedures:
Will not occur. Not specified

Environmental precautions:
Will not occur. Not specified

Methods and material for containment and cleaning up:
Will not occur. Not specified
7. Handling and Storage

Handling

Technical measures:
- Do not use the tape for the part susceptible to damage by corrosion. Because the tape may generate corrosive gas when used under high humidity and high temperature for a long period.

Local and general exhaust ventilation
- Not required for use in normal temperature.

Precautions for safe handling
- Provide adequate ventilation when performing high-temperature processing.

Remarks
- Use caution and protective gloves to avoid cuts with edges of tape liners.

Storage

Technical measures:
- None in particular.

Storage conditions
- Store at room temperature and normal humidity away from direct sunlight.

Storage conditions to avoid
- Avoid high temperature.

Incompatible materials
- No information available.

Conditions for safe storage, including any incompatibilities
- Shipping package.

8. Exposure Controls/Personal Protection

Control parameters
- Unset.

Permissible concentration
- Unset.

Appropriate engineering controls
- Not required.

Personal protective equipment [PPE]

Respiratory Protection
- Not required.

Hand protection
- Not required.

Eye protection
- Not required.

Skin protection
- Not required.

General hygiene considerations
- None under normal use conditions.

9. Physical and Chemical Properties

Physical state
- Solid.

Color
- White.

Odor
- None in particular.

pH
- No data available.

Melting point / Freezing point
- No data available.

Boiling point
- No data available.

Boiling point / boiling range
- No data available.

Flash Point
- 184 °C.

Autoignition temperature
- Rapid equilibrium method.

Upper
- No data available.

Lower
- No data available.

Vapor pressure
- No data available.

Vapor density
- No data available.

Specific gravity
- Approx 1.3.

Solubility
- Insoluble in water.

Partition Coefficient (n-octanol/water)
- No data available.

Decomposition temperature
- No data available.

10. Stability and Reactivity

Reactivity
- Stable under normal conditions of use and storage.

Possibility of hazardous reactions
- No data available.

Conditions to avoid
- None in particular.

Incompatible materials
- No information available.

Hazardous decomposition products
- No information available.

11. Toxicological Information

Acute Toxicity
- No information available.

Skin corrosion/irritation
- No information available.

Serious eye damage/eye irritation
- No information available.

Respiratory sensitization
- No information available.

Germ cell mutagenicity
- No information available.

Reproductive Toxicity
- No information available.
Specification target internal organs/systemic toxicity (single exposure): No information available
Specification target internal organs/systemic toxicity (repeat exposure): No information available
Aspiration hazard: No information available

12. Ecological Information

Persistence and degradability: No information available
Bioaccumulation: No information available
Mobility in soil: No information available
Ozone depletion potential (ODP): No information available

13. Disposal Considerations

Waste treatment methods: Do not incinerate
Incinerating the product may produce fumes or odors
Disposal should be in accordance with applicable regional, national and local laws and regulations
Contact an authorized industrial waste treatment company for off-site disposal
Contaminated packaging: Package: Contact a recycling manufacture

14. Transport Information

International regulations: Not Applicable
Transport hazard class: Not Applicable
UN number: Not Applicable
Japanese regulation: Not Applicable
Special precautions in connection with transport or conveyance: Do not store in long term under high temperature or leave outdoors

15. Regulatory information

Local regulation: Fire Service Act.
Product body: Not applicable
Release liner: Designated flammable material (Synthetic resins: Other)
Treatment method of Japanese regulation Fire Service Act should comply with local law and regulations
Foreign regulation: Contact NITTO for more information
California Proposition 65: This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony trioxide</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %): Not Applicable

16. Other information

Creation date: 17-Sep-2014
Revision date: 28-Nov-2019
Version: 7

Key literature references and sources for data:
JIS Z 7252: 2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"
JIS Z7253: 2012 Safety data sheet for chemical products -Content and order of sections

Disclaimer
Contents are based on documents, information and data which are available at this time, but nothing is guaranteed as regards content, physical and chemical properties, hazards
Also precautions are subject to ordinary handling, so please take safety measures as usage in special cases
The regulatory information presented here should not necessarily be considered as all-inclusive.Other local and international regulations may also apply

End of Safety Data Sheet