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

Product name: DOUBLE-COATED ADHESIVE TAPE
Product identifier: NO5915
Product Code: P020-00029746-0000
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: Bonding of electronic 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>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic adhesive</td>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>Silicone coated paper (Release liner)</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**: Peel slowly, then rinse in water
- **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**: None
- **Self-protection of the first aider**: None
- **Note to physicians**: None

5. Fire-fighting measures

- **Fire extinguishing agent**: Carbon dioxide (CO2), Extinguishing powder, Water, ABC-powder
- **Prohibited media**: Water
- **Special exposure hazards in a fire**: None
- **Specific extinguishing methods**: None
- **Advice for fire-fighters**: Due to poisonous gas (chlorine gas and so on) may be occurred, if needed, use Gas mask and Goggles

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: None in particular
- 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

- 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

- Color: Transparent
- 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: No data available
- Autoignition temperature: No data available
- Upper: No data available
- Lower: No data available
- vapor pressure: No data available
- Vapor density: No data available
- Specific gravity: approx 0.9
- Solubility: Insoluble in water
- Partition Coefficient (n-octanol/water): No data available
- decomposition temperature: No data available

10. Stability and Reactivity

Reactivity

- Stability: 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: No information available
organisms/systemic toxicity (single exposure)
Specification target internal organs/systemic toxicity (repeat exposure)
Aspiration hazard

<table>
<thead>
<tr>
<th>Specification target internal organs/systemic toxicity (repeat exposure)</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration hazard</td>
<td>No information available</td>
</tr>
</tbody>
</table>

12. Ecological Information

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulation</td>
<td>No information available</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>No information available</td>
</tr>
<tr>
<td>Ozone depletion potential (ODP)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

<table>
<thead>
<tr>
<th>Waste treatment methods</th>
<th>Disposal should be in accordance with applicable regional, national and local laws and 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 centigrade or more). Contact an authorized industrial waste treatment company for off-site disposal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contaminated packaging</td>
<td>Package: Contact a recycling manufacture.</td>
</tr>
</tbody>
</table>

14. Transport Information

<table>
<thead>
<tr>
<th>International regulations</th>
<th>Do not store in long term under high temperature or leave outdoors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>UN number</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

15. Regulatory Information

<table>
<thead>
<tr>
<th>Local regulation</th>
<th>Japanese regulation Fire Service Act : Designated flammable material (Synthetic resins : Other) Contact NITTO for more information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign regulation</td>
<td></td>
</tr>
</tbody>
</table>

REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %)

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

16. Other information

<table>
<thead>
<tr>
<th>Creation date</th>
<th>04-Jul-2014</th>
</tr>
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<tbody>
<tr>
<td>Revision date</td>
<td>25-Jun-2018</td>
</tr>
<tr>
<td>Version</td>
<td>4</td>
</tr>
<tr>
<td>Key literature references and sources for data</td>
<td>JIS Z7253 : 2012 Safety data sheet for chemical products -Content and order of sections JIS Z 7252 : 2009 Classification of chemicals based on &quot;Globally Harmonized System of Classification and Labelling of Chemicals (GHS)&quot;</td>
</tr>
</tbody>
</table>

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