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

Product name
DOUBLE-COATED ADHESIVE TAPE

Product identifier
NO.5615

Product Code
P020-00038640-0000

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 various components of LCD
For bonding film

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>Chemical name</th>
<th>CAS No.</th>
<th>weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Polyester film</td>
<td>-</td>
<td>55-65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acrylic adhesive</td>
<td>-</td>
<td>35-45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Silicone coated polyester film (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
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
Water
ABC-powder
Extinguishing powder
Carbon dioxide (CO2)

Prohibited media
No information available
Extinguishing powder
Carbon dioxide (CO2)

Special exposure hazards in a fire
No information available
Extinguishing powder
Carbon dioxide (CO2)

Specific extinguishing methods
No information available

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
Will not occur. Not specified
7. Handling and Storage

Handling

Technical measures:

- None in particular
- Not required for use in normal temperature
- Provide adequate ventilation when performing high-temperature processing

Precautions for safe handling:

- None in particular
- Use caution and protective gloves to avoid cuts with edges of tape liners

Remarks:
- None

Storage

Technical measures:

- None in particular
- Store at room temperature and normal humidity away from direct sunlight
- Avoid high temperature
- No data available
- Shipping package

8. Exposure Controls/Personal Protection

Control parameters

- Unset
- Unset
- 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:

- Roll type
- Solid
- translucent

Color:

- None in particular
- No data available

Odor:

- None in particular
- No data available

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

- Upper
- No data available
- No data available

- Lower
- No data available
- approx 1.3

vapor pressure:

- No data available

Specific gravity:

- Insoluble in water
- approx 1.3

Solubility:

- Flammability

Partition Coefficient (n-octanol/water):

- None

decomposition temperature:

- No data available

Other Data:

10. Stability and Reactivity

Reactivity:

- Stable under normal conditions of use and storage

Possibility of hazardous reactions:

- No data available

Conditions to avoid:

- No information available

Incompatible materials:

- No data 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

<table>
<thead>
<tr>
<th>Environmental Impact</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>No information available</td>
</tr>
<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

**Waste treatment methods**
- 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

**Contaminated packaging**
- Contact a recycling manufacture

### 14. Transport Information

**International regulations**
- 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**
- Japanese regulation Fire Service Act : Designated flammable material (Synthetic resins : Other)

**Foreign regulation**
- Contact NITTO for more information

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

### 16. Other Information

<table>
<thead>
<tr>
<th>Information</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creation date</td>
<td>04-Jul-2014</td>
</tr>
<tr>
<td>Revision date</td>
<td>24-Apr-2018</td>
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<tr>
<td>Version</td>
<td>4</td>
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</tbody>
</table>
| 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