Safety Data Sheet

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

Product name: DOUBLE-COATED ADHESIVE TAPE

Product identifier: NO.5680E

Product Code: P020-00067366-0000

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

2. Hazards Identification

GHS Classification:
Classification of the substance or mixture: 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>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester film</td>
<td>-</td>
<td>-</td>
<td>55-65</td>
</tr>
<tr>
<td>Acrylic adhesive</td>
<td>-</td>
<td>-</td>
<td>35-45</td>
</tr>
<tr>
<td>Silicone coated polyester film (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: Peel slowly, then rinse in water

Eye contact: In the case of skin irritation or allergic reactions see a physician

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

Most important symptoms/effects, acute and delayed: Immediately induce vomiting and then consult a doctor

Self-protection of the first aider: No information available

Note to physicians: No information available

5. Fire-fighting measures

Fire extinguishing agent: Water

Prohibited media: ABC-powder

Special exposure hazards in a fire: Extinguishing powder

Specific extinguishing methods: Carbon dioxide (CO2)

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:
  - Do not give excessive impact and do not pile up one on another
  - Not required for use in normal temperature
  - Provide adequate ventilation when performing high-temperature processing
- Precautions for safe handling:
  - None in particular
- 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 at room temperature and normal humidity away from direct sunlight
  - Avoid high temperature
- Incompatible materials:
  - No data available
- Conditions for safe storage, including any incompatibilities:
  - Shipping package

8. Exposure Controls/Personal Protection

**Control parameters**
- Unset
- Unset
  - Permissible concentration
  - 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**
- Roll type
  - Solid
- Color
  - Black
  - 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
  - No data available
  - Upper
  - Lower
- Autopoint temperature
  - No data available
- vapor pressure
  - No data available
- Specific gravity
  - approx 1.2
- 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
- No data available

**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
12. Ecological Information

- **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

### 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 manufacturer.

### 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

- **Creation date**: 16-Jul-2014
- **Revision date**: 25-Jul-2018
- **Version**: 4
- **Other information**: The regulatory information presented here should not necessarily be considered as all-inclusive. Other local and international regulations may also apply.

**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.

End of Safety Data Sheet