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

Product name: DOUBLE-COATED ADHESIVE TAPE
Product identifier: NO.5610BN
Product Code: P020-00040001-0000
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 spacer

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>Article</th>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Acrylic adhesive</td>
<td>-</td>
<td>60-70</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polyester film</td>
<td>-</td>
<td>30-40</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

5. Fire-fighting measures

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

Prohibited media: No information available
Special exposure hazards in a fire: No information available
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 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
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

Storage conditions to avoid
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

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
Roll type
Solid

Color
Black

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

Specific gravity
approx 1.1

Solubility
Insoluble in water

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

Decomposition temperature
No data available

Other Data
Flammability

10. Stability and Reactivity

Reactivity
Stable under normal conditions of use and storage

Possibility of hazardous reactions
No data available

Conditions to avoid
No data 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
No information available
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
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

### Creation date
16-Jul-2014

### Revision date
05-Nov-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