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

Product name: DOUBLE-COATED ADHESIVE TAPE

Product identifier: NO.5615BN

Product Code: P020-00067429-0000

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:
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: 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
Immediately induce vomiting and then consult a doctor

Ingestion: No information available

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

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: Will not occur. Not specified
7. Handling and Storage

Handling

Technical measures:

None in particular

Local and general exhaust ventilation

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

Color

Solid

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

Upper

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

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 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
12. Ecological Information

- **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

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**: 28-Jun-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