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

Product name: DOUBLE-COATED ADHESIVE TAPE
Product identifier: NO.5682E
Product Code: P020-00067371-0000
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: 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>55-65</td>
</tr>
<tr>
<td>Polyester film</td>
<td>-</td>
<td>35-45</td>
</tr>
<tr>
<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: Peel slowly, then rinse in water
Eye contact: In the case of skin irritation or allergic reactions see a physician
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. Accident 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
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

Conditions for safe storage, including any incompatibilities
- No data available

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
- 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
Autoignition temperature
- Upper
- Lower
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

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
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

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 5
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