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

Product name
DOUBLE-COATED ADHESIVE TAPE

Product identifier
NO.5608

Product Code
P020-00038579-0000

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
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></td>
<td>Acrylic adhesive</td>
<td>-</td>
<td>60-70</td>
</tr>
<tr>
<td></td>
<td>Polyester film</td>
<td>-</td>
<td>30-40</td>
</tr>
<tr>
<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
Will not occur. Not specified
and cleaning up

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
- Use caution and protective gloves to avoid cuts with edges of tape liners

Remarks

Storage
Technical measures:
- None in particular

Storage conditions:
- Store at room temperature and normal humidity away from direct sunlight
- Avoid high temperature
- No data available

Incompatible materials:
- Shipping package

8. Exposure Controls/Personal Protection

Control parameters
- Unset
- Unset
- Not required

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
- Translucent

Color
- None in particular

Odor
- 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
- Lower: No data available

vapor pressure
- No data available

Specific gravity
- approx 1.3

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 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

**Persistence and degradability**
No information available

**Bioaccumulation**
No information available

**Mobility in soil**
No information available

**Ozone depletion potential (ODP)**
No information available

14. Transport Information

**International regulations**

- **Transport hazard class**
  - Not Applicable

- **UN number**
  - Not Applicable

**Japanese regulation**

- **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)
- Contact NITTO for more information

**Foreign regulation**

- Contact NITTO for more information

**REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %)**

- Not Applicable

16. Other information

**Creation date**
04-Jul-2014

**Revision date**
20-Apr-2018

**Version**
4

**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