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

Product name: PET adhesive tape
Product identifier: NO3161FR1 75 Yellow
Product Code: P020-00030556-0014
Supplier Address: Nitto Denko Corporation Toyohashi Plant 18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan TEL.+81-532-41-7242, FAX. +81-532-41-7284
Department responsible: Quality Management Dept. Administration Div
Emergency telephone number: +81-532-41-1121(TOYOHASHI PLANT)
Recommended Use: For electric insulation and protection

2. Hazards Identification

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>Concentration or concentration ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Acrylic resin</td>
<td>-</td>
<td>45-55</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polyethylene terephthalate</td>
<td>25038-59-9</td>
<td>40-50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Antimony trioxide</td>
<td>1309-64-4</td>
<td>3-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>1-3</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: Will not occur
Eyes: Will not occur
Ingestion: Will not occur
Most important symptoms/effects, acute and delayed: Will not occur
Self-protection of the first aider: Will not occur
Note to physicians: Will not occur

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

**Treatment**
- **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.
- **Remarks:** None in particular
- **Precautions for safe handling:** Persons with sensitive skin may develop a rash from exposure to this product. Do not allow its adhesive to touch your skin.

**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
- **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
- **paint:** Solid
- **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 1.2
- **Solubility:** Insoluble in water
- **Partition coefficient:** No data available
- **decomposition temperature:** No data available
- **Other Data:** Flammmability:

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
- **Carcinogenicity:** No information available
- **Reproductive Toxicity:** No information available
- **Specification target internal organs/systemic toxicity (single):** No information available
exposure).
Specification target internal organs/systemic toxicity (repeat exposure)
Aspiration hazard

No information available

12. Ecological Information

Persistence and degradability
Bioaccumulation
Mobility
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
Contact an authorized industrial waste treatment company for off-site disposal
Do not incinerate. Incinerating the product may produce fumes or odors. The product should be disposed of by a certified disposal contractor

Contaminated packaging
Contact a recycling manufacture

14. Transport Information

National regulations
Transport hazard class
UN/ID-Nr
Japanese regulation

Not Applicable
Not Applicable
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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony trioxide</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

REACH 7 Article 33 Article SVHC notification (> 0.1wt%)  
Not Applicable

16. Other information

Issue date:  
19-Sep-2014

Date prepared:  
08-Jun-2016

Version:  
2

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 Z 7253 : 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 Material Safety Data Sheet